HISTORY

Model Name : KDL-32/40U2520
SERVICE MANUAL

Click on Page Number to display detail of changes.

Date	Part Number	Description of Revisions	Version
2007.08	9-927-575-01	Original Manual.	1.0
2008.01	9-927-575-02	Part number change - section 5 (P71) and addition	
		of full schematic diagrams (Full).	2.0

Self Diagnosis Supported model

SERVICE MANUAL

SE-1 CHASSIS

MODEL	COMMANDER	DEST	MODEL	COMMANDER	DEST
KDL-32U2520	RM-ED007	AEP	KDL-40U2520	RM-ED007	AEP

KDL-32U2520 / KDL-40U2520

RM-ED007

FLAT PANEL COLOR TV

SONY®

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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

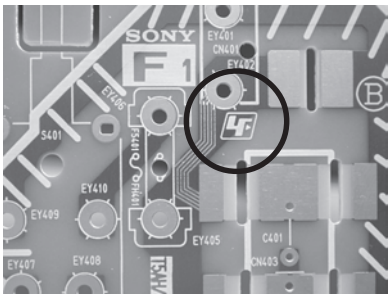
SECTION 1 GENERAL

CAUTION

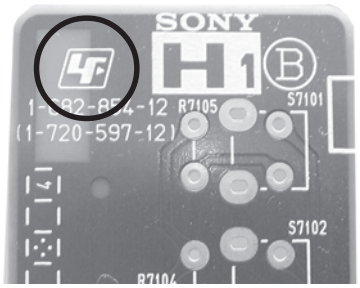
Lead Free Soldered Boards

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.

example 1



example 2



Lead Free Solder material must be used to comply with environmental requirements of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

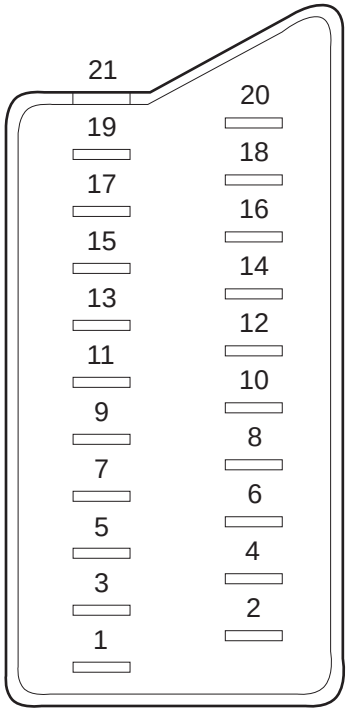
SPECIFICATIONS

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
E	B/G/H, D/K, I, L	GERMAN/NICAM Stereo	VHF : E2-E12 UHF : E21-E69 CATV : S1-S20 HYPER : S21-S41 D/K: R1-R12, R21-R69 L: F2-F10, B-Q, F21-F69 I: UHF B21-B69	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY)
U	I	NICAM Stereo	I: UHF B21-B69	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY)

Projected Picture Size	LCD (Liquid Crystal Display) Panel KDL-32U2520 (32inches) KDL-40U2520 (40inches).	**Sound Output**	
		Right and Left speaker Sub-woofer	2 x 10W (RMS)
Input/Output Terminals [REAR]		**General Specifications**	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption/ Standby	KDL-32U2520: Approx. 105W or less/1W or less KDL-40U2520: Approx. 180W or less/1W or less
2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of Video and Audio signals (Selectable). SmartLink interface.	Dimensions	KDL-32U2520: Approx. 797x580x220mm (With stand) Approx. 797x548x125mm (Without stand) KDL-40U2520: Approx. 988x687x270mm (With stand) Approx. 988x653x128mm (Without stand)
3: Phono Jacks	Y:1 Vp-p, 75 ohms, 0.3V negative sync P_B/C_B:0.7 Vp-p,75 ohms P_R/C_R:0.7 Vp-p,75 ohms Audio Input Jacks: 500mV rms, 47Kohms	Weight	KDL-32U2520: Approx. 15kg (With stand) Approx. 13kg (Without stand) KDL-40U2520: Approx. 24kg (With stand) Approx. 21kg (Without stand)
		Supplied Accessories	RM-ED007 Remote Commander (1) IEC designated R06 battery (2) Cable Holder (1) (KLV-40U2520 only) Support Belt (1) and Screws (2)
6: HDMI Input 7: HDMI Input	Video: 1080i, 720p, 576p, 576i,480p, 480i Audio: Two channel linear PCM 32, 44.1 and 48kHz, 16, 20 and 24 bits Analogue audio (phono jacks): 500mV rms, 47Kohms (HDMI IN 7 only)	Other Features	High Picture Quality WXGA, 3D Comb Filter, Virtual Dolby Surround, HDMI Input, PC Input (HD15), PIP(PC with TV), Freeze in std. Resolution, Video Label, Channel Return, Sleep Timer, Fanless Design.
5: PC Input	15 Pin D-Sub Connector.		
Input/Output Terminals [SIDE]		**Remote control system : Infrared control**	
4: Headphone jack	Stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R06 (size AA)
4: Audio input	Phono jacks		
4: Video input	Phono jack		
4: S Video input	4 pin mini DIN		
Design and specifications are subject to change without notice.			

CONNECTORS

21 Pin Connector (SCART)



Pin No	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	○	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	Ground (green)	
10	●	○	AVlink	
11	○	○	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	●	●	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	○	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	-	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	○	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	○	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	-	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

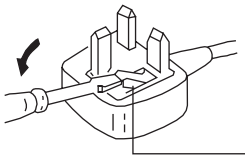
UK PLUG WARNING

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of the correct rating for the set. Should the fuse need to be replaced, use a fuse of the same rating approved by ASTA to **BS 1362**, ie one that carries the ASTA mark.

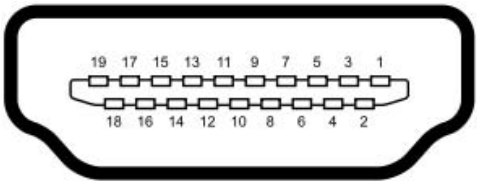
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with the correct rating fuse, otherwise the circuit should be protected by the same rating fuse at the distribution board.



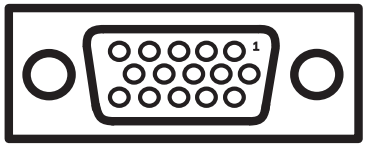
How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

HDMI Connector



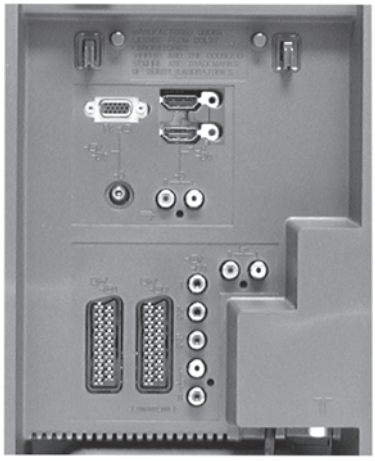
Pin No	Signal Assignment	Pin No	Signal Assignment
1	TMDS Data2+	11	TMDS Clock Shield
2	TMDS Data2 Shield	12	TMDS Clock-
3	TMDS Data2-	13	CEC
4	TMDS Data1+	14	Reserved (N.C. on device)
5	TMDS Data1 Shield	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0+	17	DDC/CEC Ground
8	TMDS Data0 Shield	18	+5V Power
9	TMDS Data0-	19	Hot Plug Detect
10	TMDS Clock+		

15 Pin D Sub Connector (PC)



Pin No	Signal Assignment	Pin No	Signal Assignment
1	Red Out	9	+5V DC
2	Green Out	10	Sync Return (Ground)
3	Blue Out	11	Monitor ID0 in Display
4	Unused	12	DCC Serial Data
5	Ground	13	Horizontal Sync
6	Red Return	14	Vertical Sync
7	Green Return (Ground)	15	DCC Serial Clock
8	Blue Return (Ground)		

Rear Connection Panel



Side Connection Panel

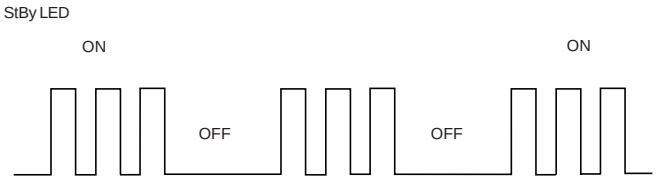
S-Video socket

S Video socket pin configuration		
Pin No	**Signal**	**Signal Level**
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

SE-1 SELF DIAGNOSTIC SOFTWARE

The identification of errors within the SE-1 chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted).

Flash Timing Example : e.g. error number 3

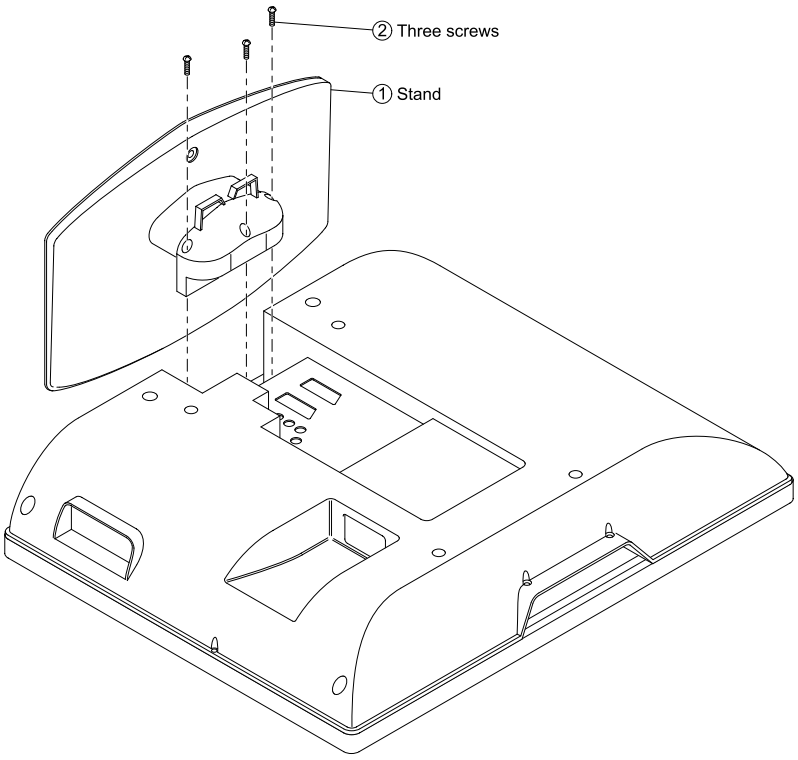


LED Error Code

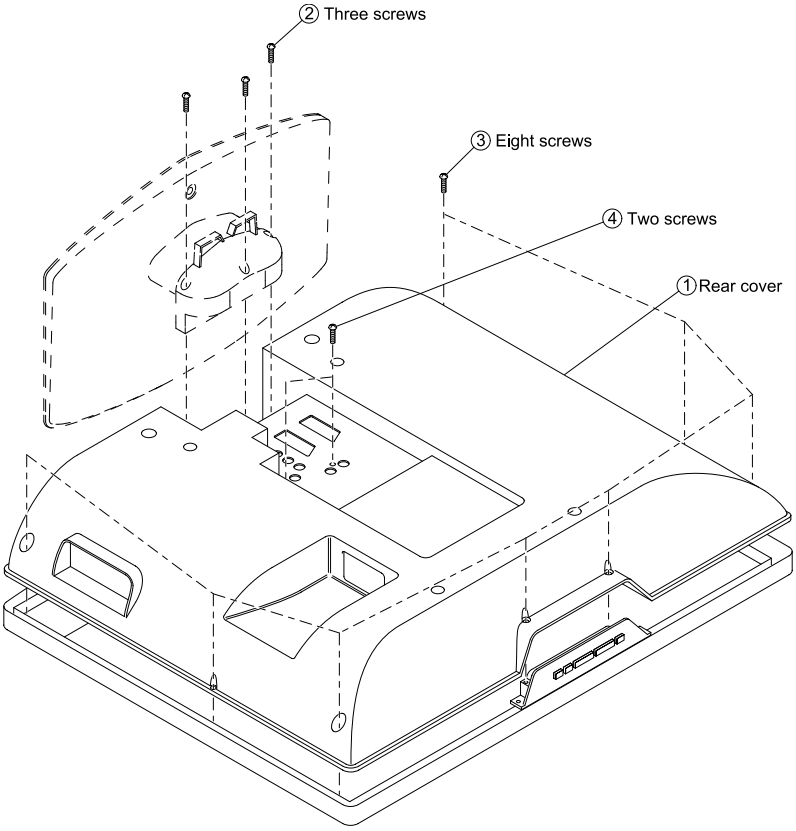
Error Message	LED Code	Checked	Action
Power Supply Protection Error	03	In Normal mode.	Goes into standby. LED flashes 3 times.
Panel Error	04	In Normal mode.	Goes into standby. LED flashes 4 times.
NVM Error	05	In Initialisation state.	Adds error to Error Menu. LED flashes 5 times in factory mode.
IIC Error	06	In Initialisation state.	Adds error to Error Menu. LED flashes 6 times in factory mode.
HDMI Error	07	In Initialisation state.	Adds error to Error Menu. LED flashes 7 times in factory mode.
Digital Error	08	In Initialisation state.	Adds error to Error Menu. LED flashes 8 times in factory mode.
Tuner Error	09	In Initialisation state.	Adds error to Error Menu. LED flashes 9 times in factory mode.
Sound Processor Error	10	In Initialisation state.	Adds error to Error Menu. LED flashes 10 times in factory mode.
Video Processor (VCTP) Error	11	In Initialisation state.	Adds error to Error Menu. LED flashes 11 times in factory mode.
Port Expander Error	12	In Initialisation state.	Adds error to Error Menu. LED flashes 12 times in factory mode.
RTC IC Error	14	In Initialisation state.	Adds error to Error Menu. LED flashes 14 times in factory mode.

SECTION 2 DISASSEMBLY

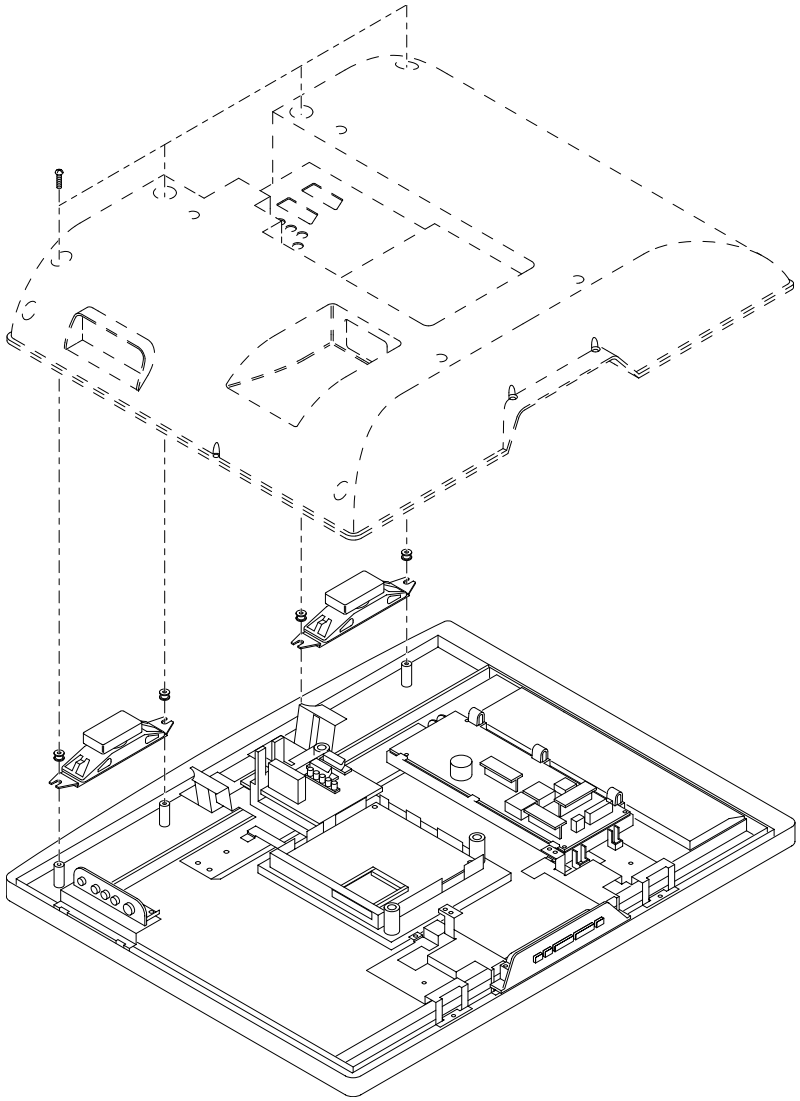
2-1. STAND REMOVAL



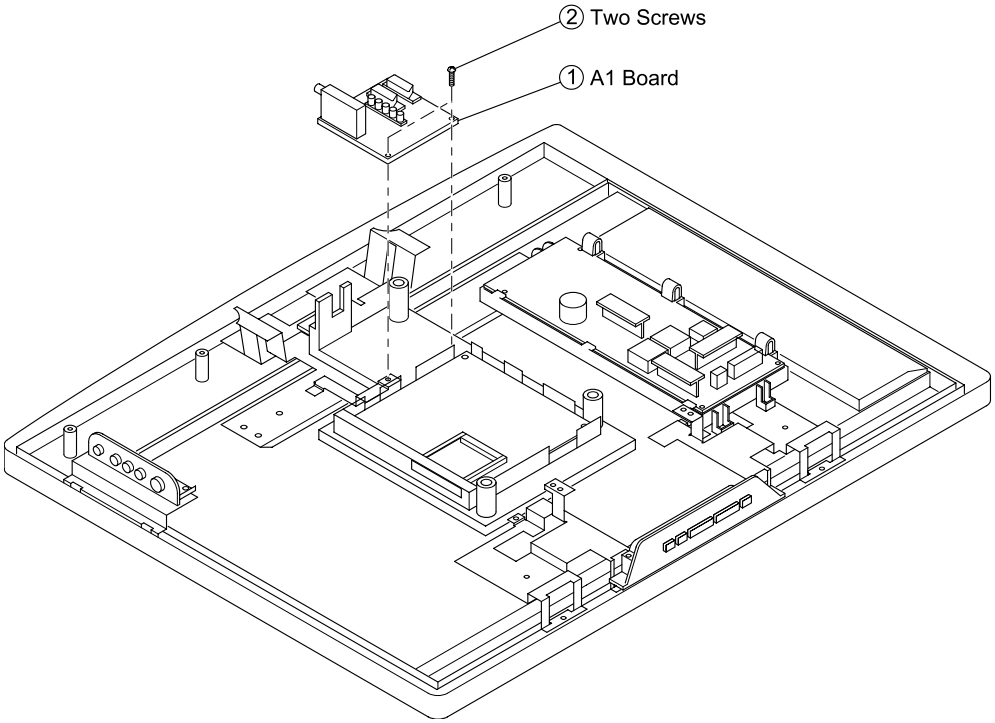
2-2. REAR COVER REMOVAL



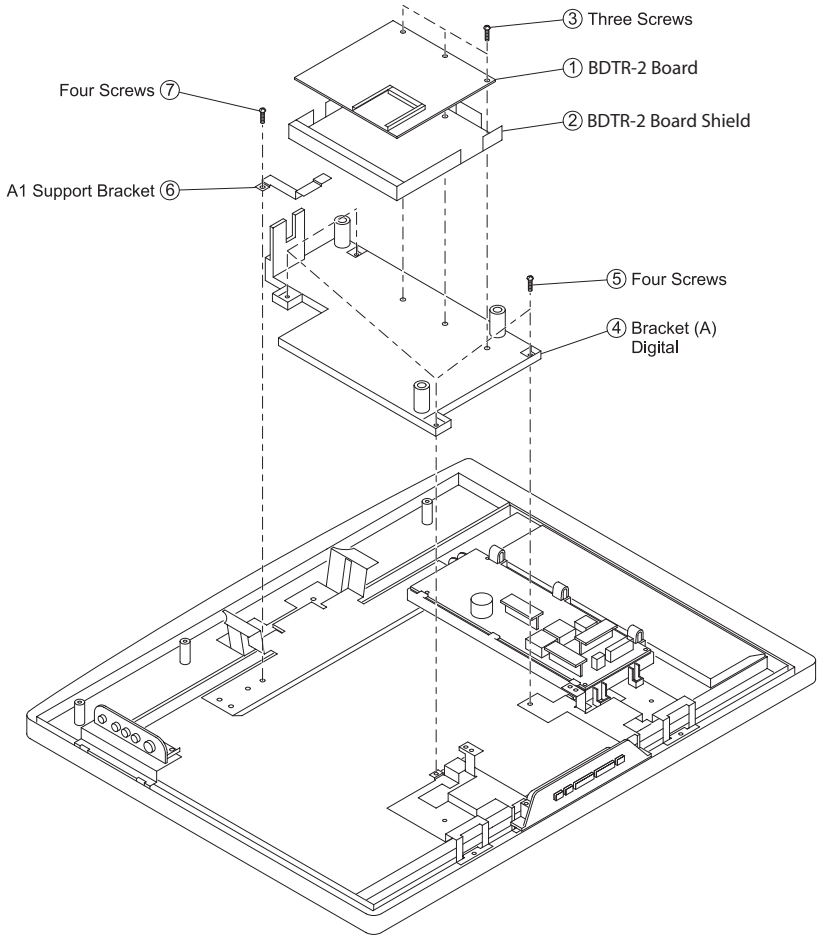
2-3. SPEAKER REMOVAL



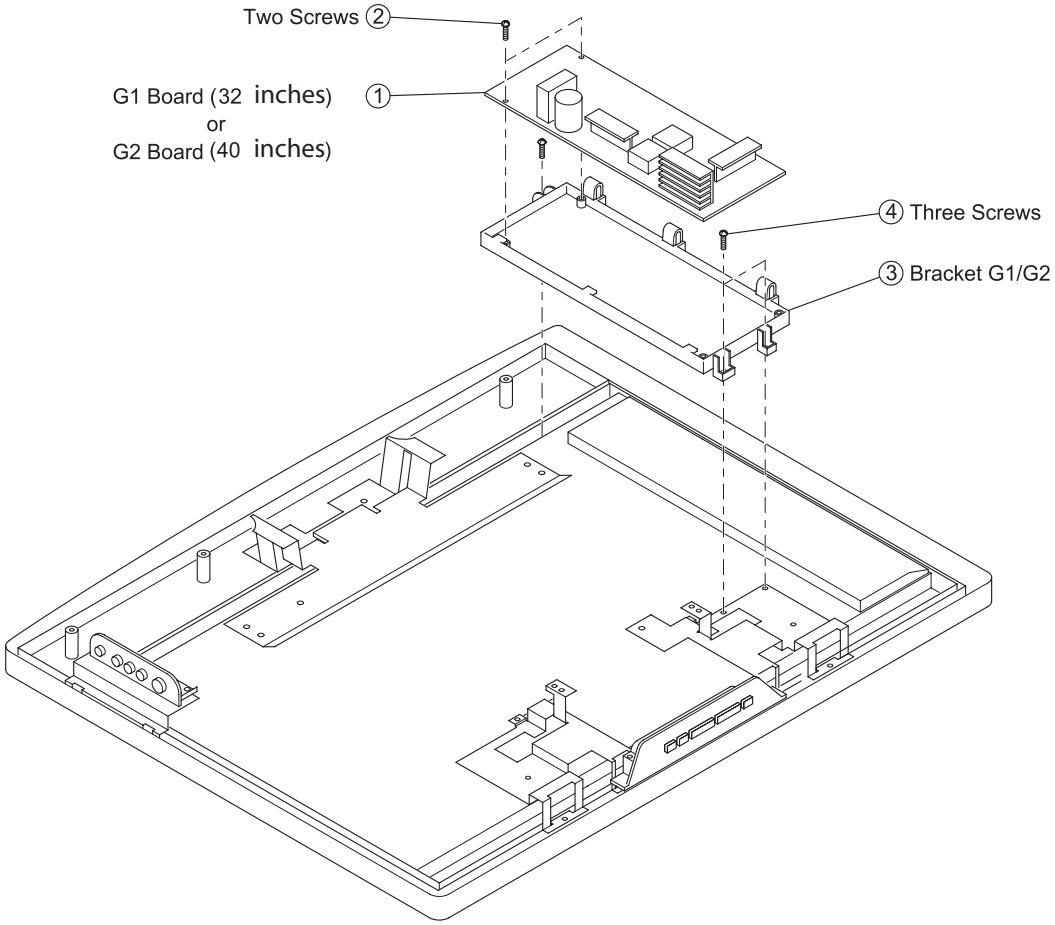
2-4. A1 BOARD REMOVAL



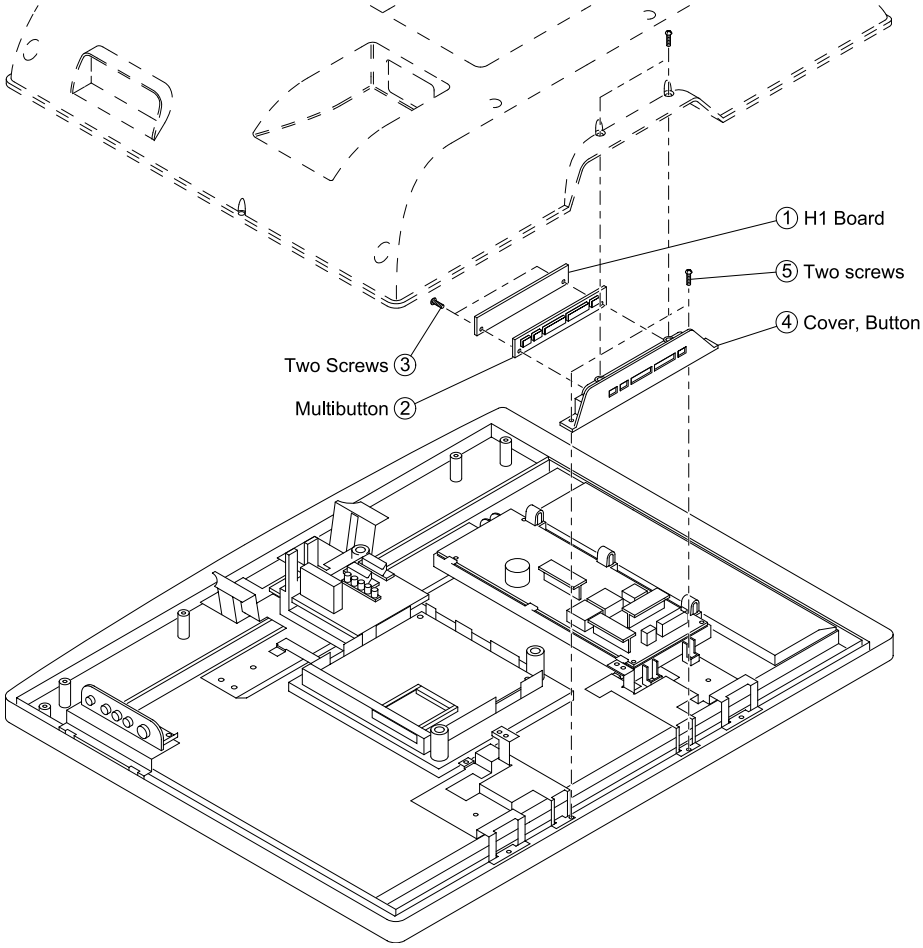
2-5. BDTR-2 BOARD REMOVAL



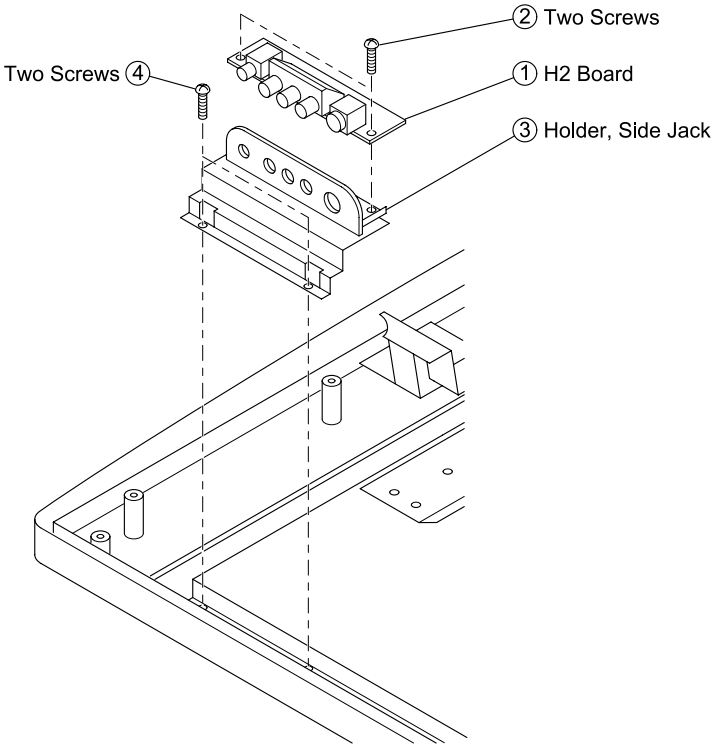
2-6. G1/G2 BOARD REMOVAL



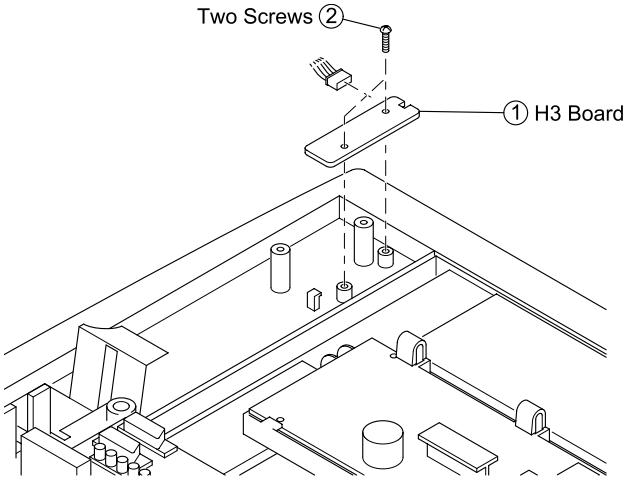
2-7. H1 BOARD REMOVAL



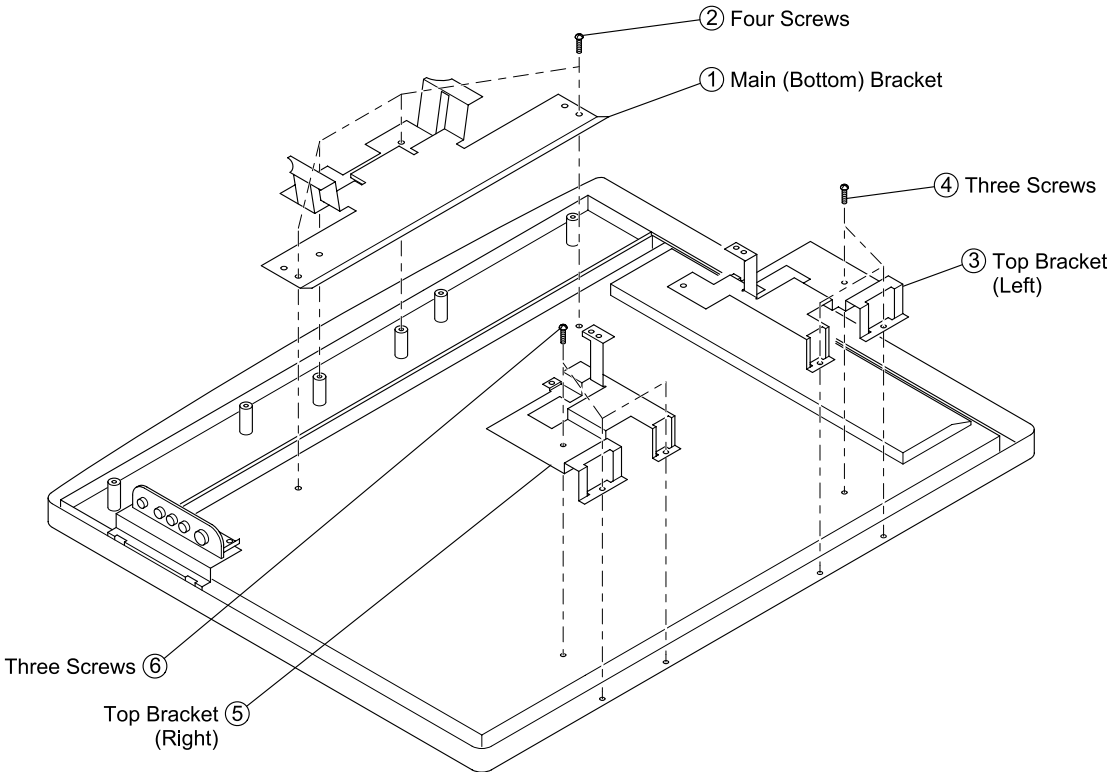
2-8. H2 BOARD REMOVAL



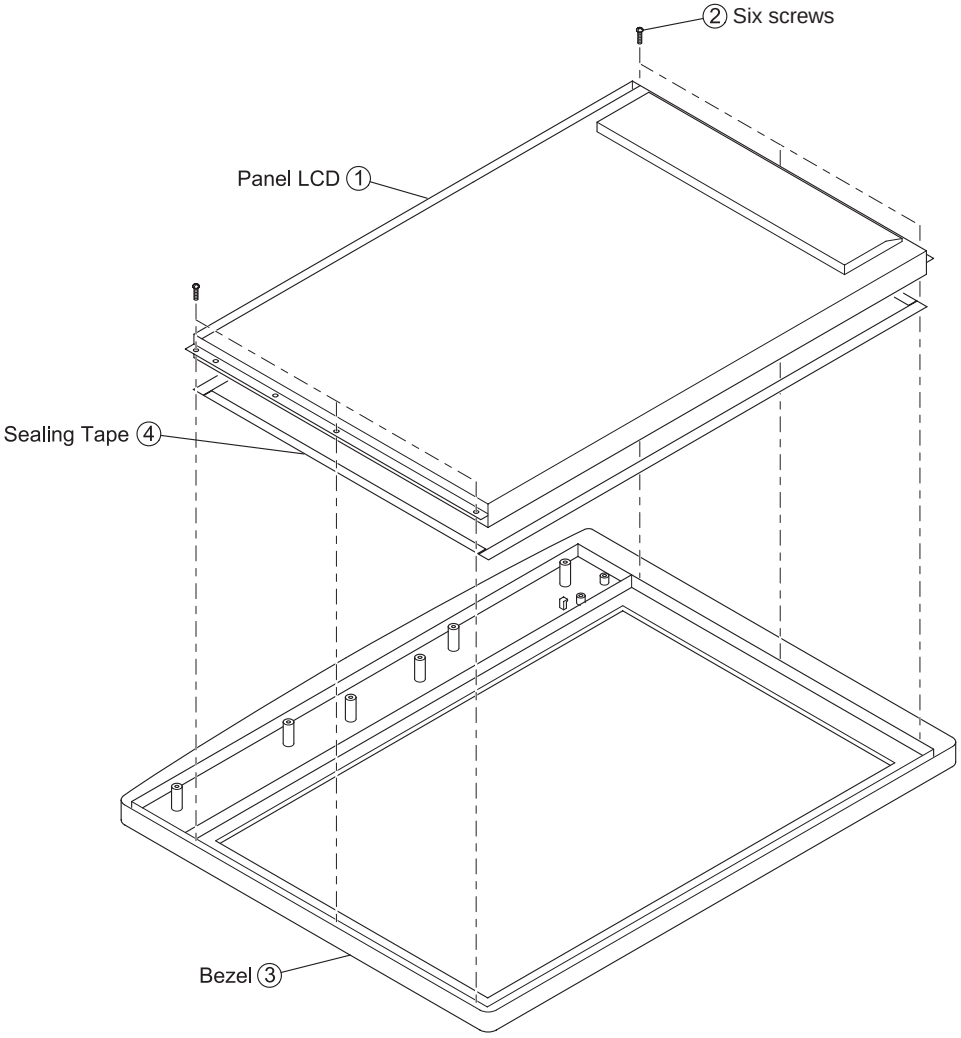
2-9. H3 BOARD REMOVAL



2-10. BRACKET REMOVAL



2-11. LCD PANEL REMOVAL



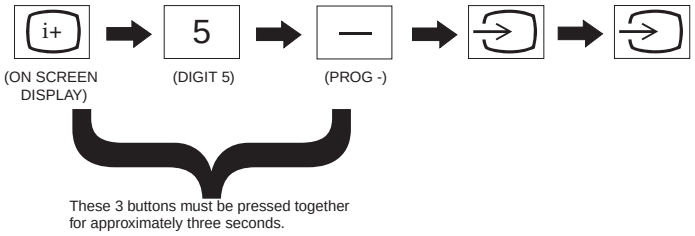
SECTION 3 CIRCUIT ADJUSTMENTS

3-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied remote Commander RM-ED007.

How to enter into the Service Mode

1. Turn on the main power switch.
2. Press the following sequence of buttons on the Remote Commander.



'TT—' will appear in the upper right corner of the screen. Other status information will also be displayed (See 3-3 Page 24).

3. Press 'MENU' on the remote commander to obtain the following menu on the screen.

```
BACKLIGHT
HDMI
SOUND
IF ADJUST
ERROR MENU

SE1T  v0.06  Nov06
FACTORY DATA: 11111111
SERIAL NUMBER: 4294967295
WORKING TIME: 0:22
```

4. Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
5. Press the right arrow button to enter into the required menu item.
6. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

BACKLIGHT

BACKLIGHT	(0, 255)	235
U BACKLIGHT	(0, 10)	10
BL SETUDEN	(0, 255)	10
BL BOTTOM	(0, 255)	138
ECO MODE	(0, 1)	1
APL MAX	(0, 255)	176
DIMMER MIN	(0, 255)	0
APL FACTOR	(0, 255)	0
DIMMER	(0, 255)	186
APL MIN	(0, 255)	103

HDMI

VAI2	(0, 255)	0
VAI3	(0, 255)	0
Vper MSB	(0, 255)	0
Vper ISB	(0, 255)	0
Hper MSB	(0, 255)	248
HS Width MSB	(0, 255)	0
STM LSB	(0, 255)	8
Ri (MSB)	(0, 255)	218
Ri (LSB)	(0, 255)	101
Aksv_0	(0, 255)	137
Aksv_1	(0, 255)	55
Aksv_2	(0, 255)	132
Aksv_3	(0, 255)	68
Aksv_4	(0, 255)	25
An_0	(0, 255)	32
An_1	(0, 255)	36
An_2	(0, 255)	240
An_3	(0, 255)	180
An_4	(0, 255)	57
An_5	(0, 255)	19
An_6	(0, 255)	214
An_7	(0, 255)	138
Pj	(0, 255)	207
Ainfo	(0, 255)	2
Flags	(0, 255)	15

SOUND

M-N	(0, 511)	192
M-D	(-128, -1)	-20
M-S	(+0, +127)	+20
S-M	(+0, +127)	+10
D-M	(-128, -1)	-10
N-M	(0, 1023)	496
Effect Mode	(+0, +2)	+1
BBE Mode	(-0, +127)	+0
BBE Vol main	(+0, +255)	+3
BBE Vol res	(+0, +7)	+0
B1	(-96, +96)	+4
B2	(-96, +96)	+0
B3	(-96, +96)	-12
B4	(-96, +96)	-12
B5	(-96, +96)	+6
Loudness	(+0, +68)	+23
MB_STR	(+0, -127)	+0
MB_LIM	(-32, +0)	+0
MB_HMC	(+0, +127)	+0
MB_LP	(+5, +30)	+5
MB_HP	(+3, +30)	+3
SUBW_FREQ	(+5, +40)	+5
NICAM C AD	00000	
NICAM Error	(0, 2047)	2047
Stereo	(-128, +127)	+0
Status	0000000110	

ERROR MENU

E02: Reserved	(0, 255)	0
E03: DC Fail	(0, 255)	0
E04: PANEL DET	(0, 255)	0
E05: NVM	(0, 255)	0
E06: IIC	(0, 255)	0
E07: HDMI	(0, 255)	0
E08: DIGITAL	(0, 255)	0
E09: TUNER	(0, 255)	0
E10: SP	(0, 255)	0
E11: VCTP	(0, 255)	0
E12: PEXP	(0, 255)	0
E13: RTC	(0, 255)	0
WORKING TIME		
HOURS	(0, 65535)	0
MINUTES	(0, 59)	38

IF ADJUST

Automute	0	
Audio Gain	0	
L Gating	0	
Coincidence	0	
AFT window	1	
AFT Status	0111	
AGC TOP	(-16, +15)	-4

3-2. TEST MODE 2

Test Mode 2 is available by setting the TV for operation in Service Mode [As shown on Page 21] , OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 00, 10, 20 ... twice or switch the TV set into Stand-by mode. In 'TT Menu' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen !!.

00	'TT' mode off
03	Set volume to 35%
04	Set volume to 50%
05	Set volume to 65%
06	Set volume to 80%
07	Ageing mode (TV key swiyches off)
08	Shipping Condition
16	Picture level 50%
19	Factory toggle mode ("Fact" or "Norm")
24	UK Destination
25	All Europe Destinations
27	CBA mode toggle (On for factory mode)
31	ECS mode toggle
32	Set BCN channels preset
36	Clock display toggle
37	Hotel mode toggle
38	OTRUM mode
39	Digital test toggle
41	Re-initialise NVM
43	Dual Sound "A"
44	Dual Sound "B"
45	Dual Sound "Mono"
46	Dual Sound "Stereo"
48	Set NVM as non-virgin (CH59 only)
49	Set NVM as virgin (CH59 only)
54	Watchdog toggle
55	Tuner toggle
56	Reset all channels attenuation
58	Chip select toggle

59	Visual I2C toggle
61	Auto AGC
63	AM from baseband toggle
64	Set 40" for A3 or A4 panel
65	DDC toggle
66	HDMI EDID WP toggle
67	MSP Auto Carrier Mute function toggle
68	Set 26" settings AUO panel
69	Set 32" settings AUO panel
71	Set 20" settings Chi-Mei panel
72	Set 26" settings Samsung panel
73	Set 32" settings Samsung panel
74	Set 40" settings Samsung panel
75	Set centred balance
76	Set volume to maximum
77	Set volume to minimum
78	Set balance full left
79	Set balance full right
81	Digital BER display
82	Digital Service menu
83	Digital colour bar output from DENC
84	TS CI path through
85	Digital tuner power down (Only 1 power cycle,default no power down)
86	Switch between two digital SW banks
87	Local keys test
88	Digital shipping conditions (Clear tune database)
89	LED test

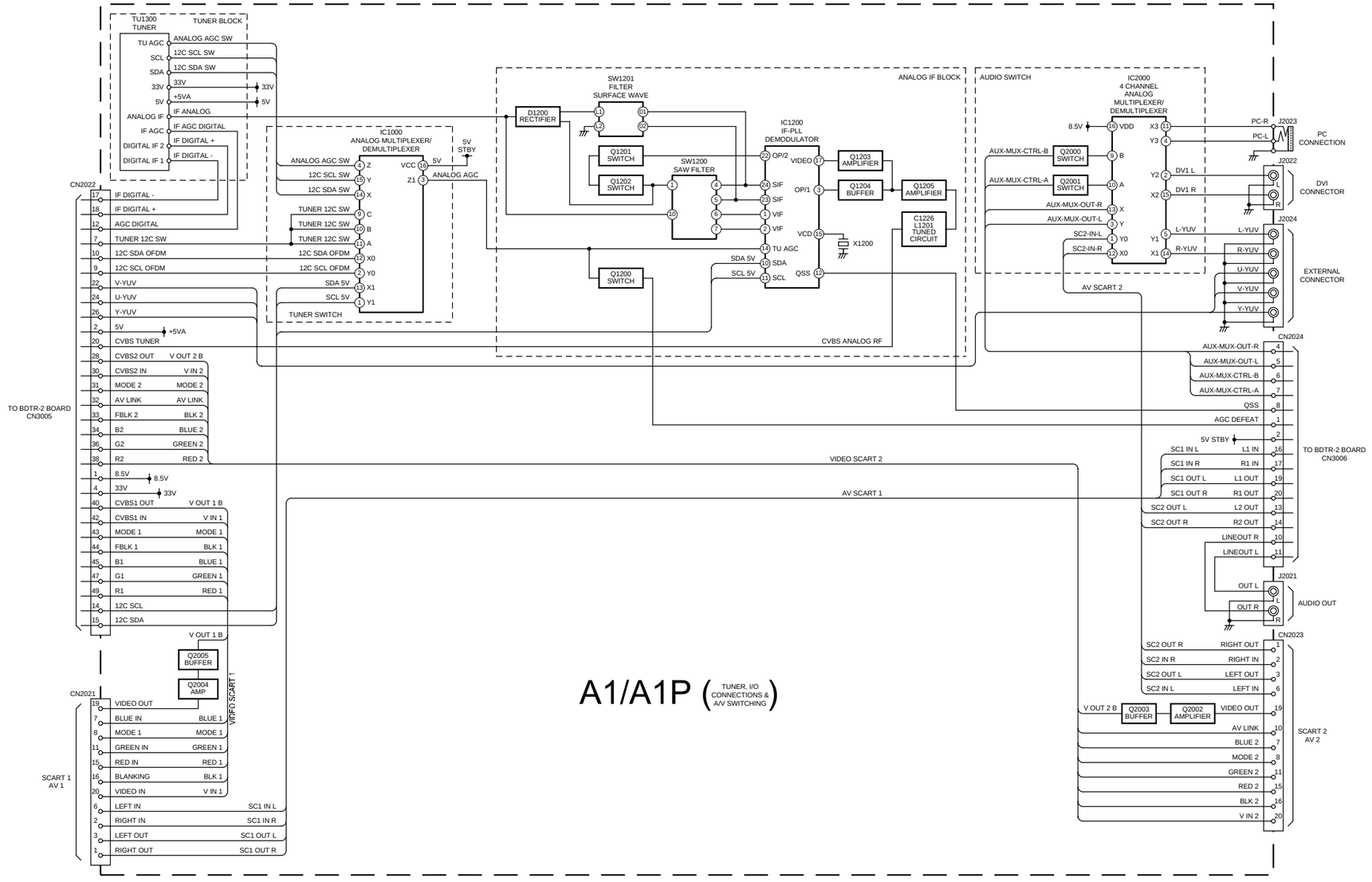
3-3. TT OSD Labels

		(1)	3	2		A	E	P	(2)			(3)	T	T	-	-		
(4)	E	C	S		(5)	C	B	A				(6)	N	o	r	m		
(7)	D	D	C		(8)	E			O	H	D	C	M	S	S			
									(9)	(10)	(11)	(12)	(13)	(14)	(15)			
(16)	C	L	K		T	W			C	V								
					(17)	(18)			(19)	(20)								

Key:

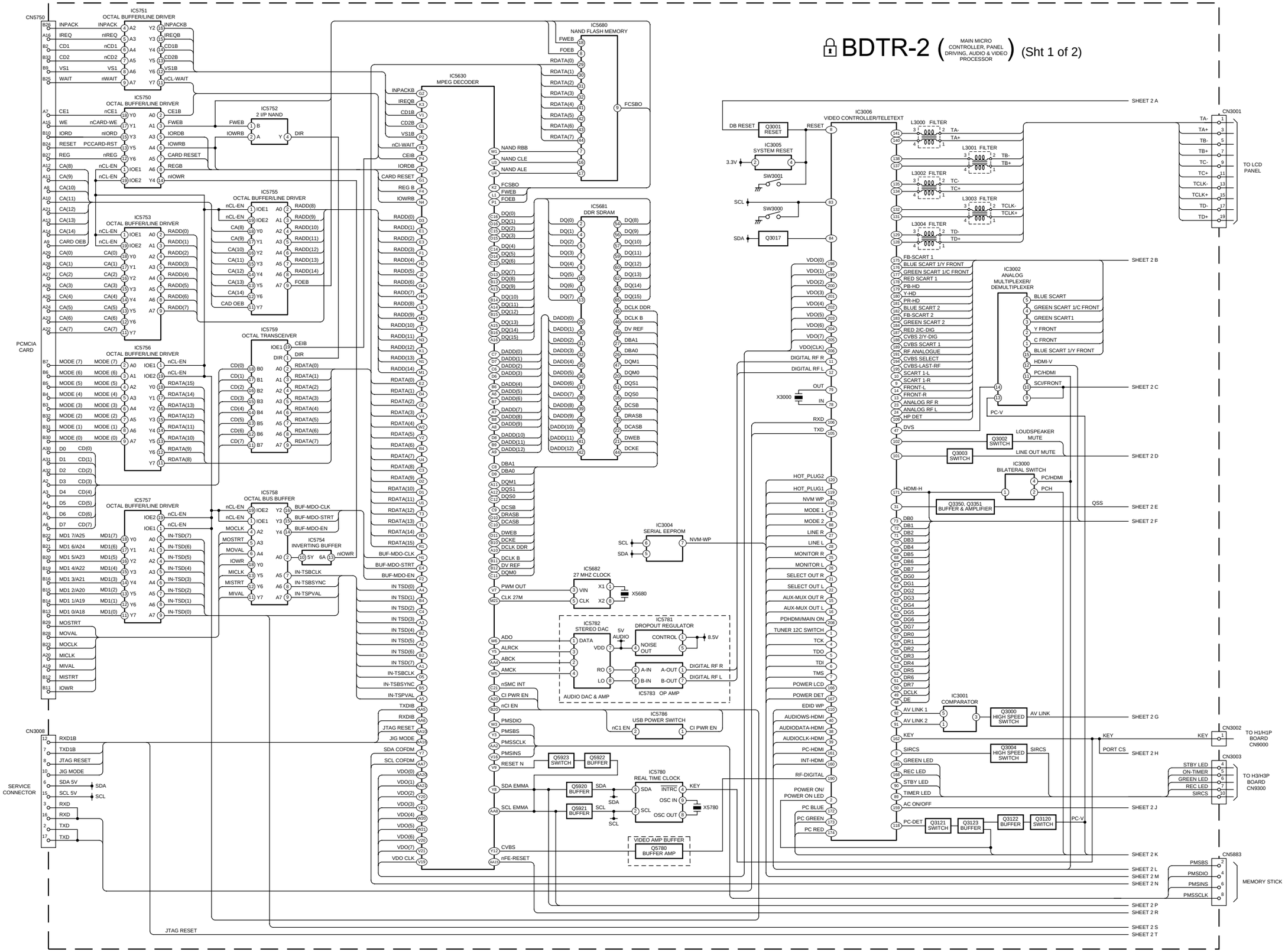
1. Model configuration.
   a. To set 26” AUO (TT68).
   b. To set 26” Samsung (TT72).
   c. To set 32” AUO (TT69).
   d. To set 32” Samsung (TT73).
   e. To set 20” Chi-Mei (TT71).
   f. To set 40” Samsung (TT74).
2. Model destination.
3. Command prompt.
4. ECS enabled/disabled (TT31).
5. CBA is shown when the TV set is in CBA mode (This mode is available from Factory mode) (TT27).
6. Normal or Factory mode (TT19).
7. DDC enabled/disabled (TT65).
8. E is shown when EDID WP is enabled; - is shown otherwise (TT66).
9. O is shown when OTRUM is enabled; - is shown otherwise (TT38).
10. H is shown when Hotel mode is enabled; - is shown otherwise (TT37).
11. D is shown when Digital mode is enabled; A is shown when Analogue mode is enabled.
12. C (Default value) is shown when MSP Auto Carrier Mute function is enabled; - is shown otherwise (TT67).
13. M (Default value) is shown when AM sound is demodulated in MSP; A is shown when AFRIC demodulator is used (TT63).
14. S is shown when a SONY tuner is selected; P is shown when a PHILIPS tuner is selected (TT55).
15. C is shown when a Chi-Mei 20” panel is used; S is shown when a Samsung panel is used; A is shown when a AUO panel is used (Changed by TT68 and TT69) for 26” and 32” respectively; 3 is shown when a 40” Samsung A3 panel is used; 4 is shown when a 40” Samsung A4 panel is used (Changed by TT64).
16. Clk is shown when display clock is enabled; - is shown otherwise (TT36).
17. T is shown when digital test is enabled; - is shown otherwise (TT39).
18. W is shown when Watchdog is enabled; - is shown otherwise (TT54).
19. C is shown when chip select is enabled; - is shown instead (This mode is available from factory mode) (TT58).
20. V is shown when Visual I2C is enabled; - is shown otherwise (TT59).

4-1. BLOCK DIAGRAMS (1)

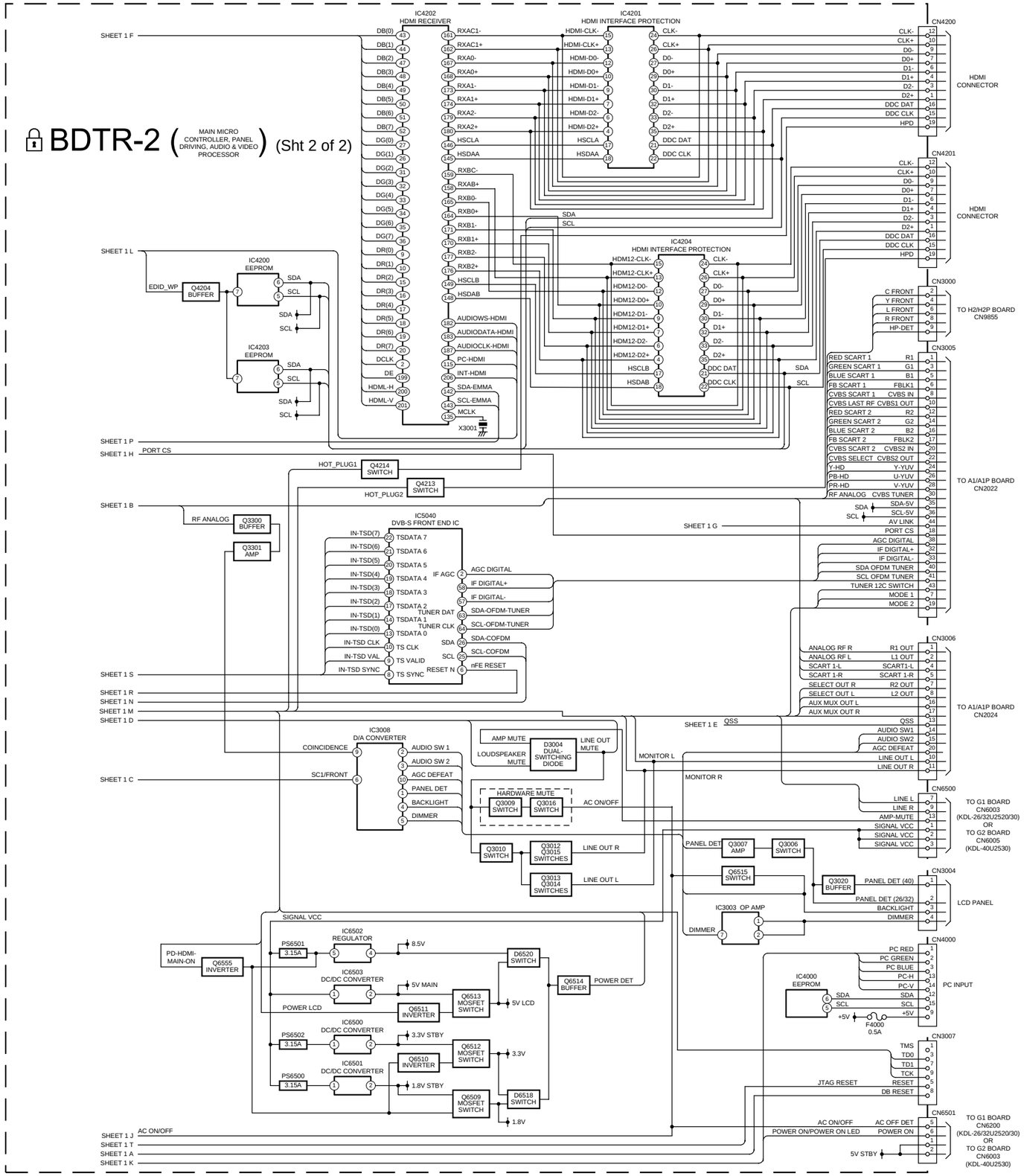


4-1. BLOCK DIAGRAMS (2)

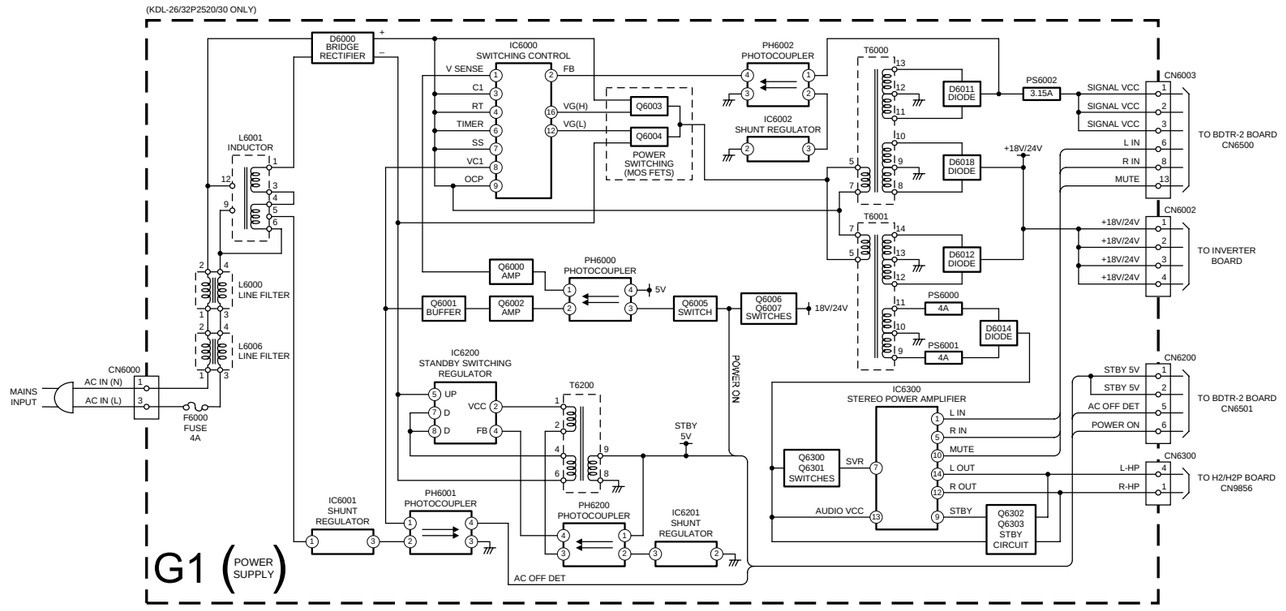
BDTR-2 (MAIN MICRO CONTROLLER, PANEL DRIVING, AUDIO & VIDEO PROCESSOR) (Sht 1 of 2)

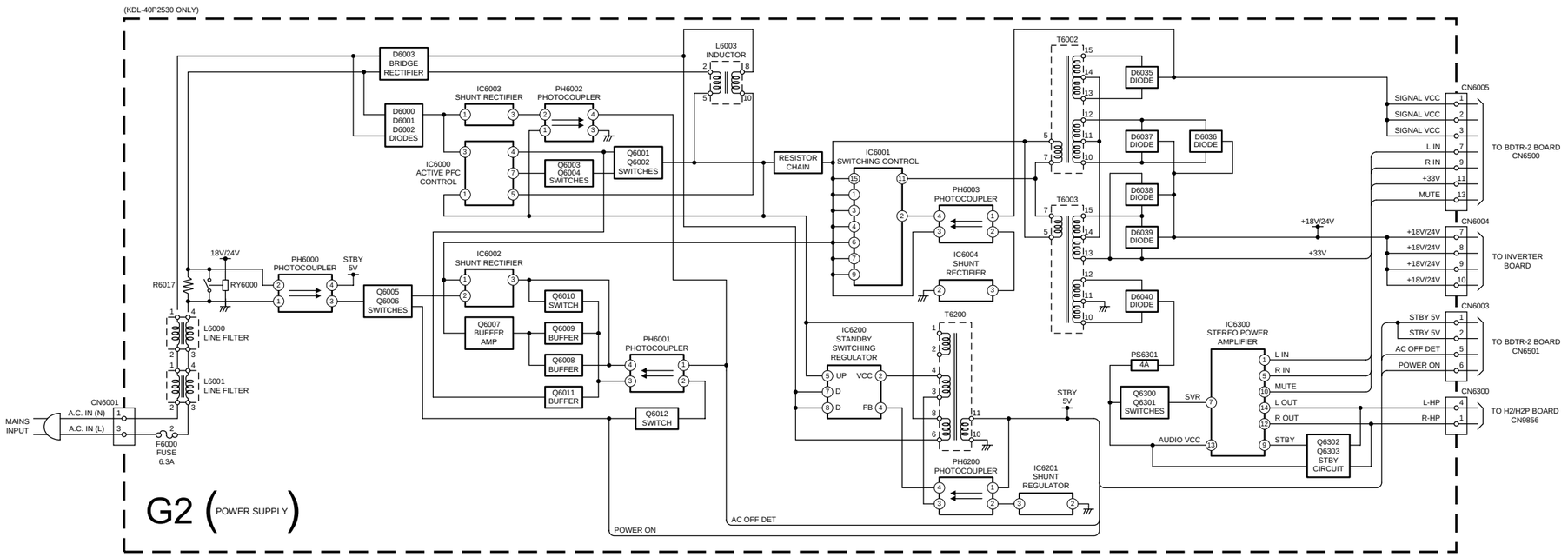


4-1. BLOCK DIAGRAMS (3)

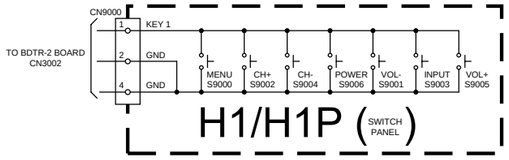


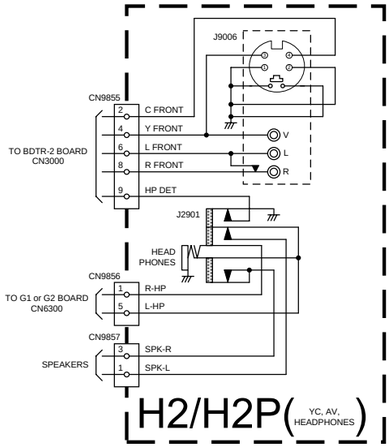
4-1. BLOCK DIAGRAMS (4)

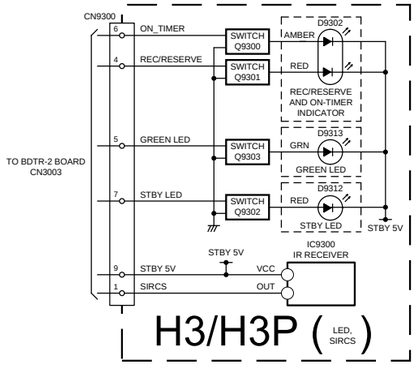




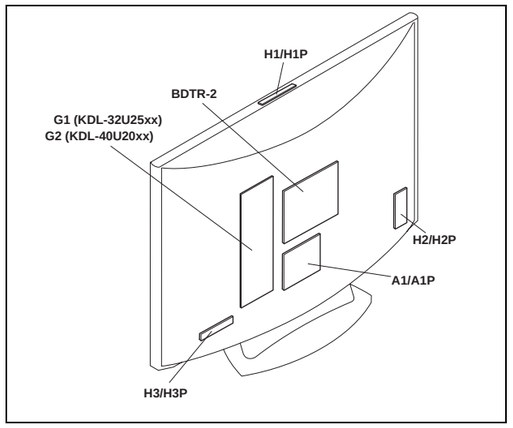
4-1. BLOCK DIAGRAMS (5)







4-2. CIRCUIT BOARD LOCATION



4-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- : B + bus.
- : B - bus.
- : RF signal path.
- : earth - ground.
- : earth - chassis.

Reference Information

RESISTOR	**RN**	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	**LF-8L**	: MICRO INDUCTOR
CAPACITOR	**TA**	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

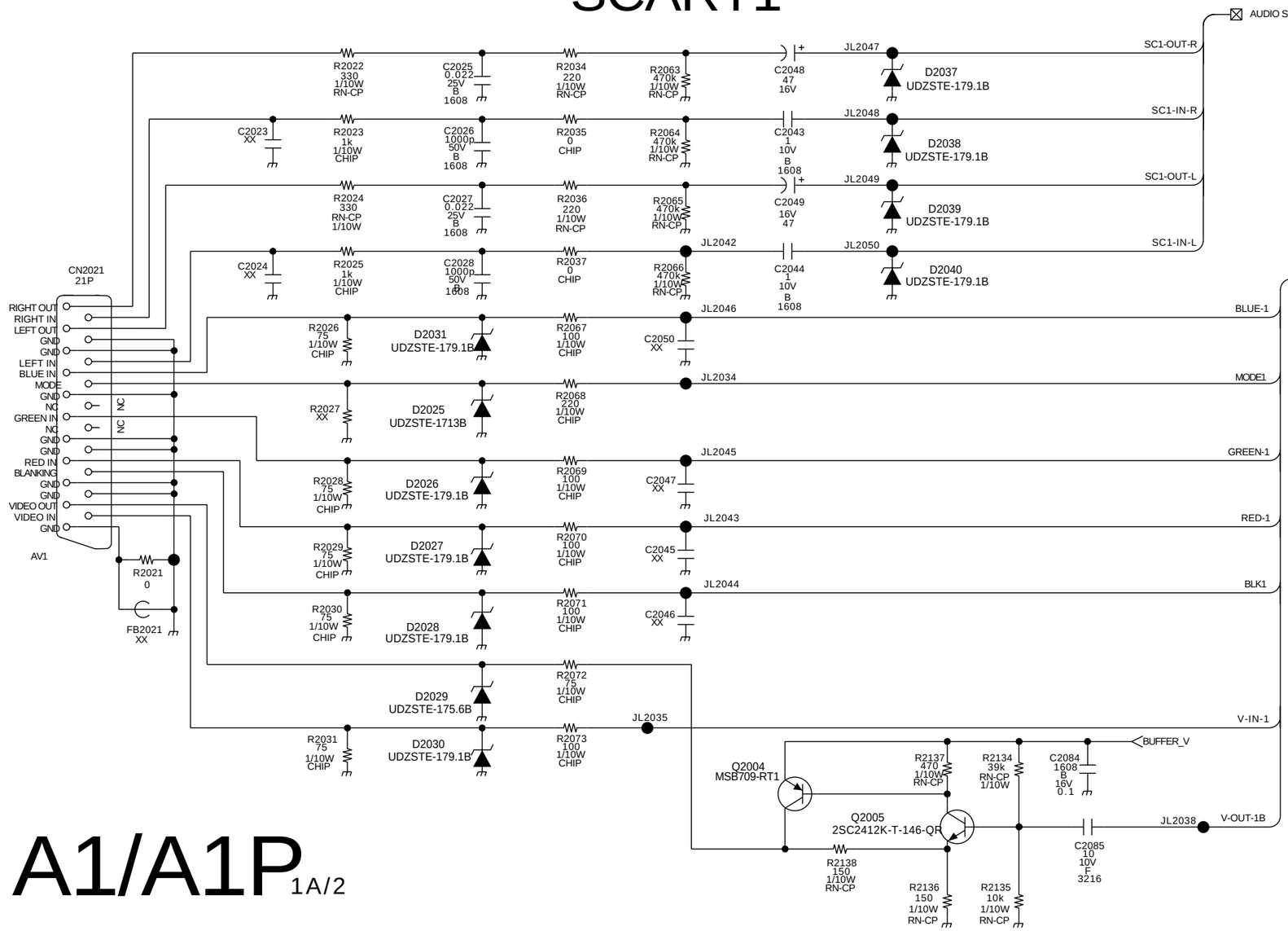
Note: The components identified by mark 🔒 contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

Note :

- CVBS and RGB waveforms are measured using a PAL colour bar input to Scart1. Y, U, V waveforms are measured using a PAL colour bar input to component sockets (Y, Pb/Cb, Pr/Cr).

A1/A1P.-SE1

SCART1

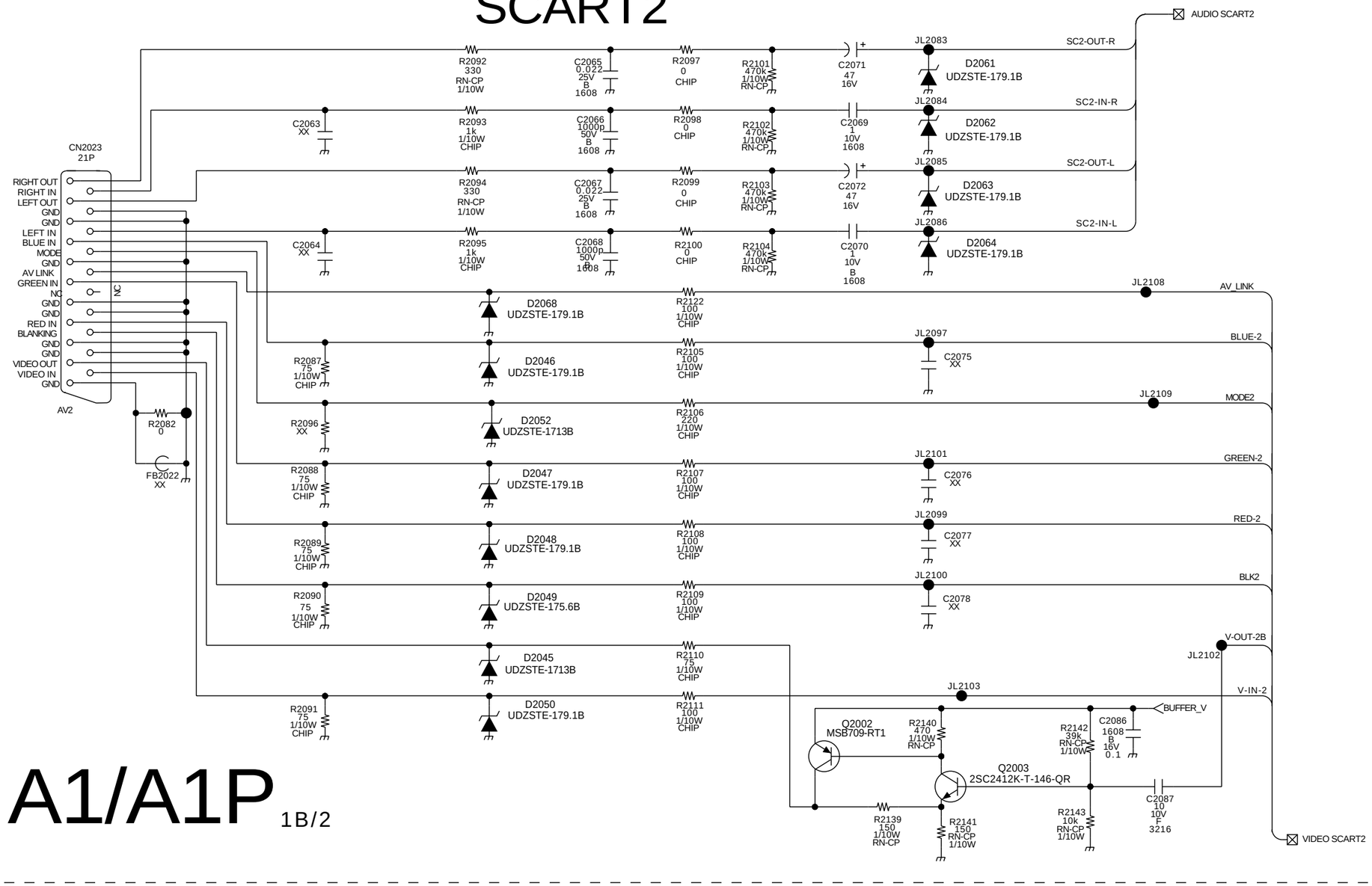


A1/A1P 1A/2

~ A1/A1P Board Schematic Diagram [Tuner, I/O Connectors & A/V Switching] Page 1A/2 ~

A1/A1P.-SE1

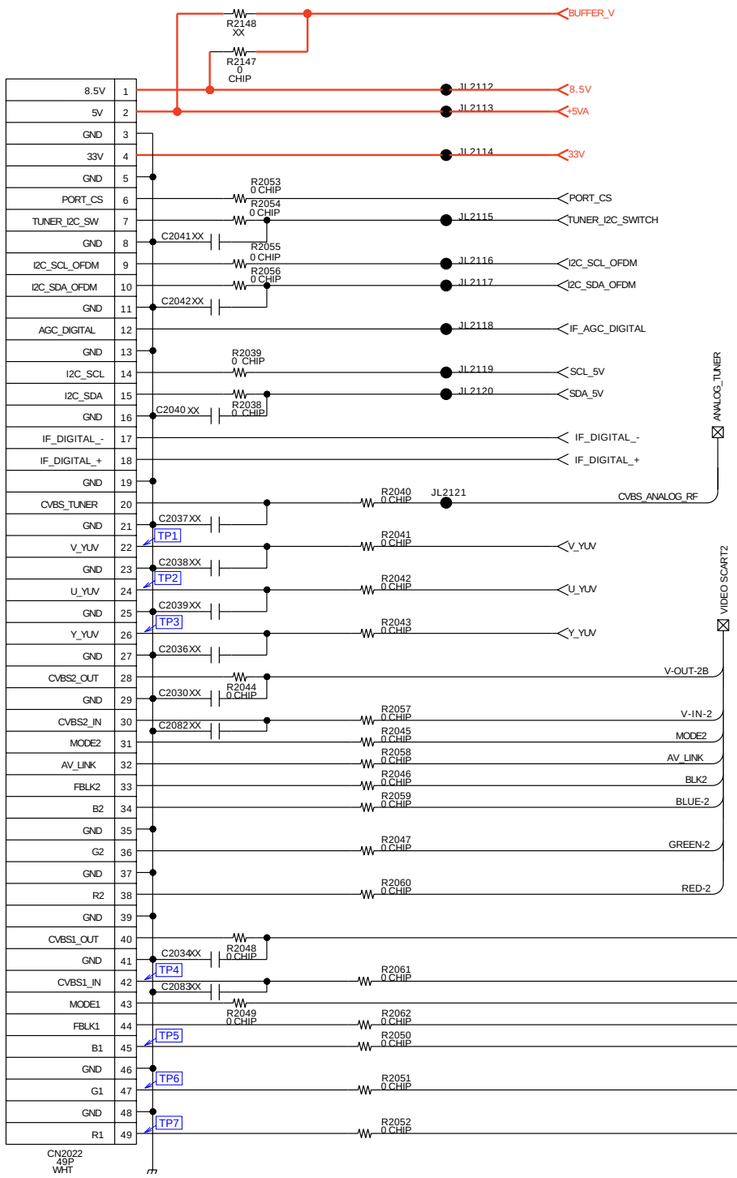
SCART2

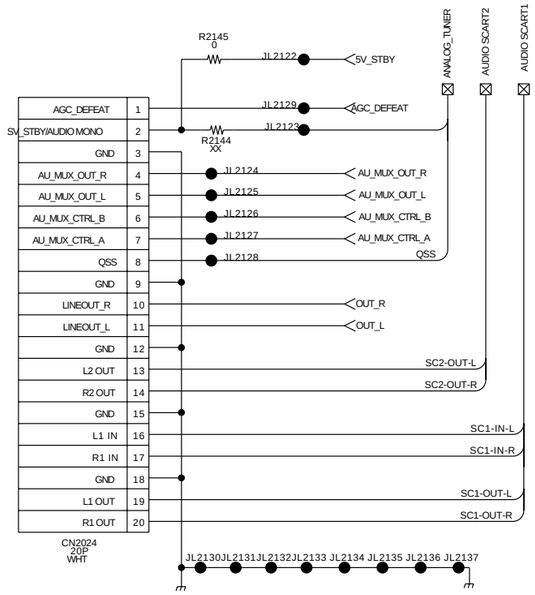


A1/A1P 1B/2

~ A1/A1P Board Schematic Diagram [Tuner, I/O Connectors & A/V Switching] Page 1B/2 ~

A1/A1P.-SE1

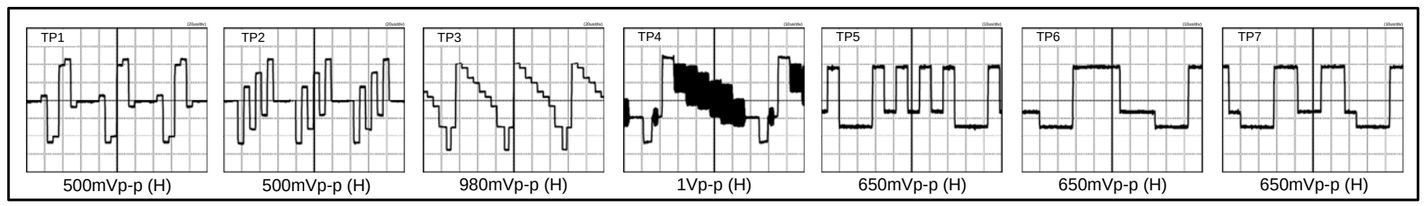




A / B BOARD CONNECTORS

A1/A1P 1C/2

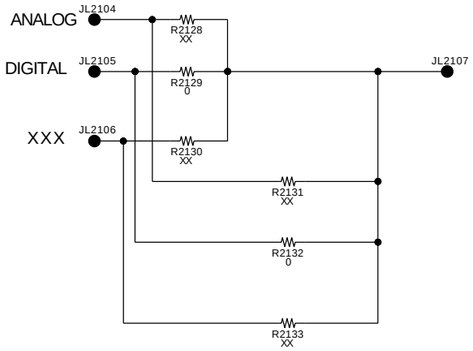
A1/A1P (3/3) Board Waveforms



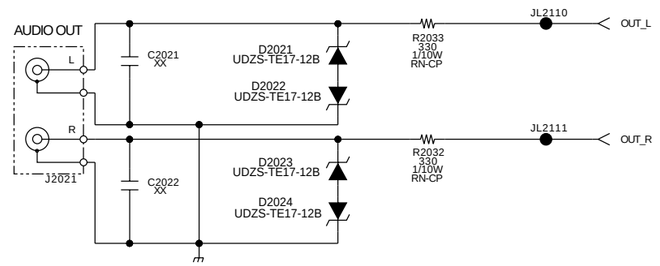
~ A1/A1P Board Schematic Diagram [Tuner, I/O Connectors & A/V Switching] Page 1C/2 ~

A1/A1P.-SE1

BOARD DESCRIPTION

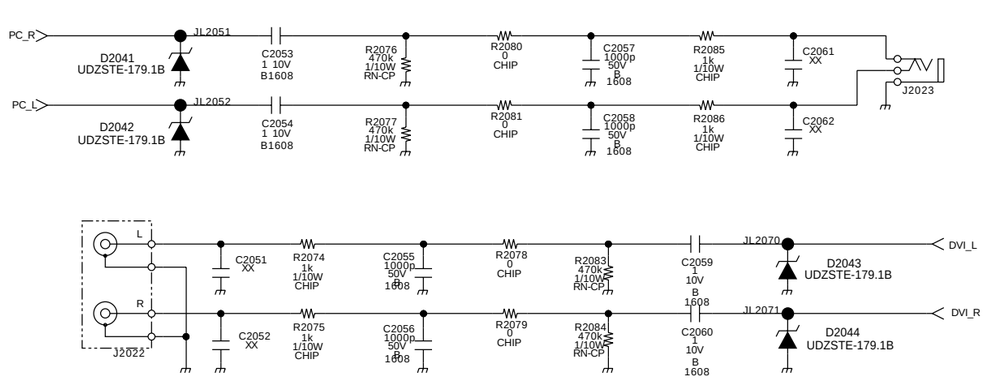


LINE OUT

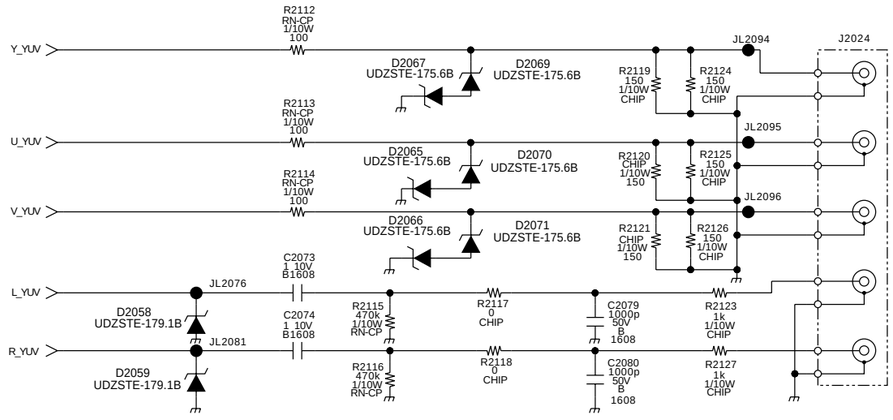


A1/A1P 1D/2 TUNER, I/O CONNECTORS & AV SWITCHING

DVI/PC AUDIO INPUT



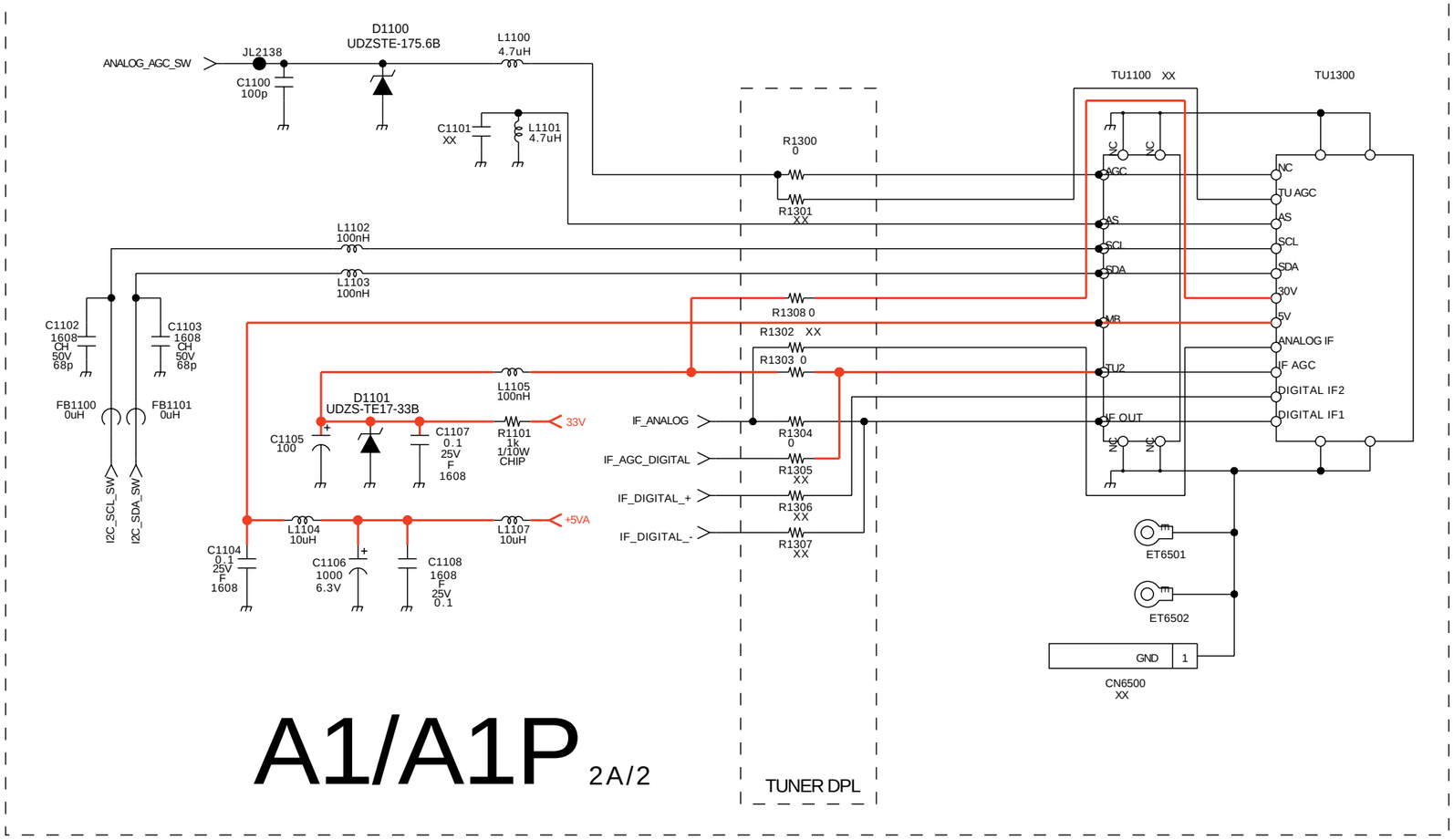
COMPONENT INPUT



~ A1/A1P Board Schematic Diagram [Tuner, I/O Connectors & A/V Switching] Page 1D/2 ~

A1/A1P.-SE1

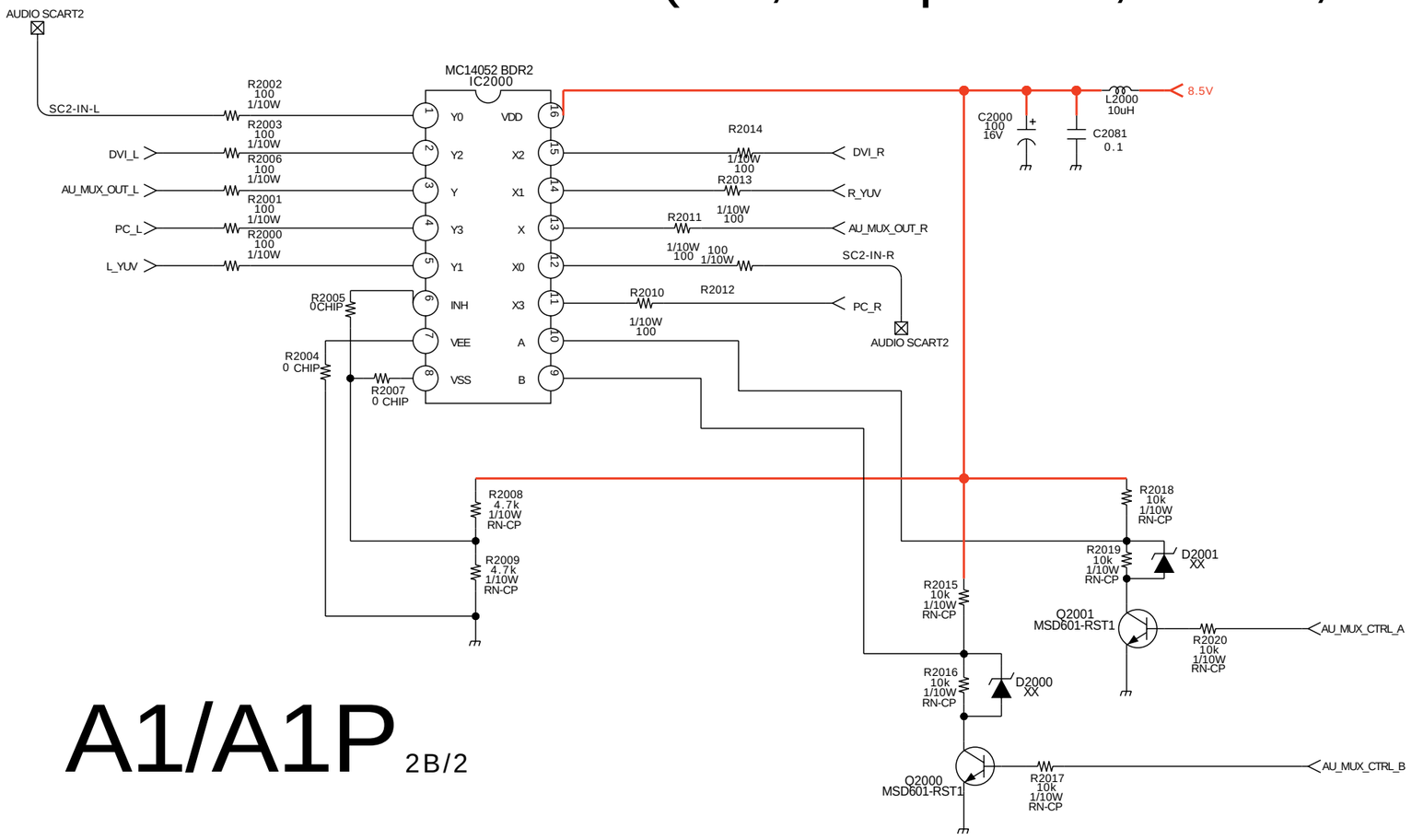
TUNER BLOCK (ANALOG / HYBRID dpl)



~ A1/A1P Board Schematic Diagram [Tuner, I/O Connectors & A/V Switching] Page 2A/2 ~

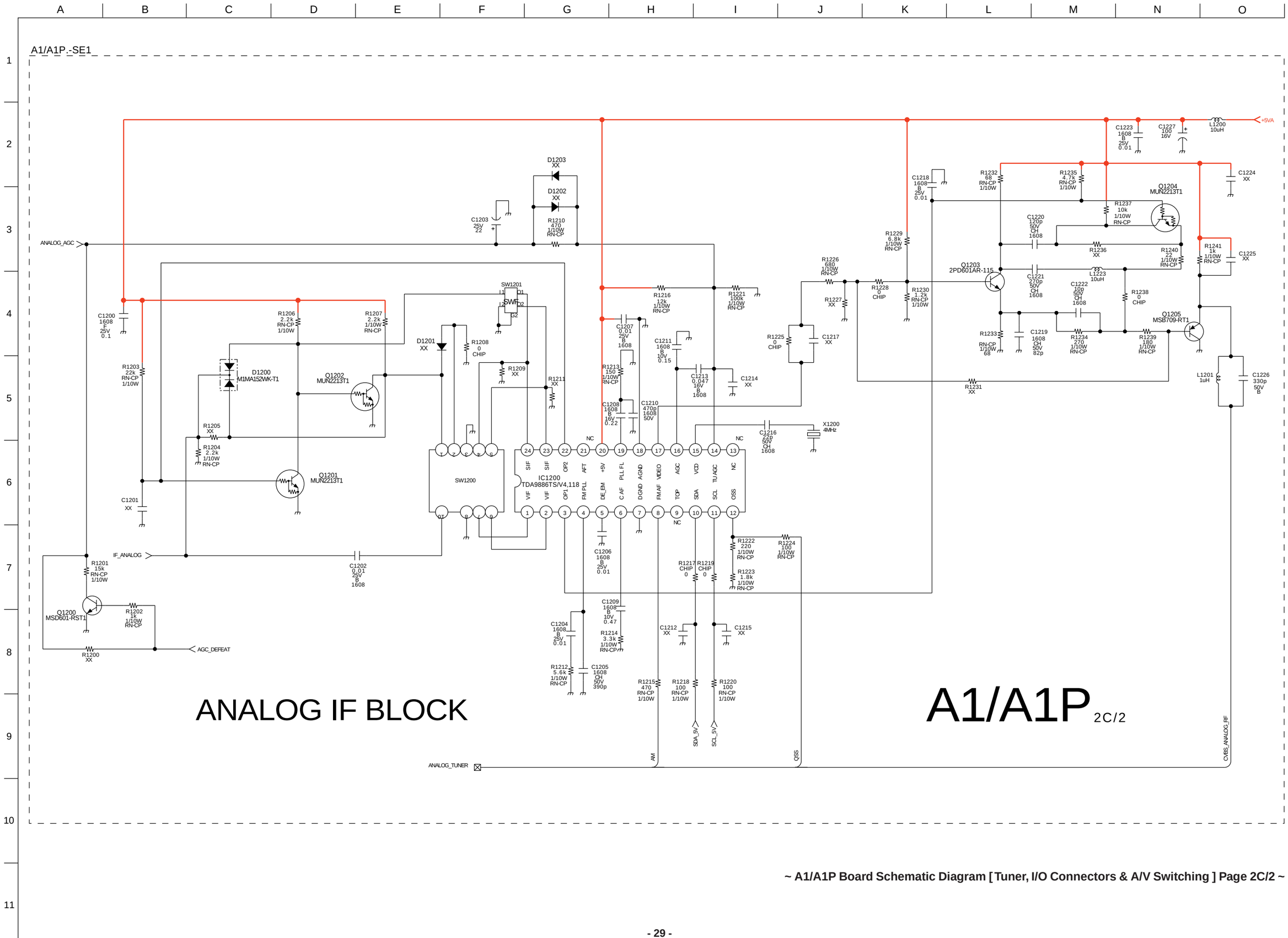
A1/A1P.-SE1

AUDIO SWITCH (PC,Component,Scart2,DVI)



A1/A1P 2B/2

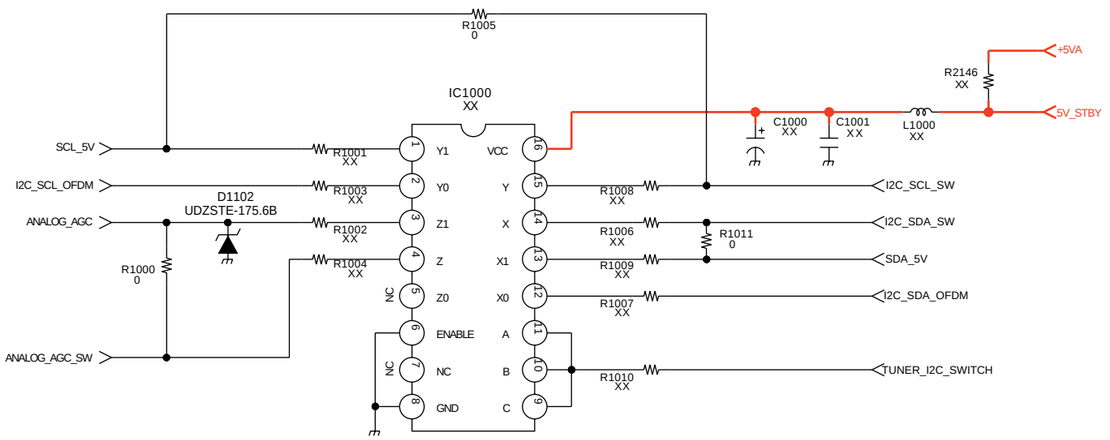
~ A1/A1P Board Schematic Diagram [Tuner, I/O Connectors & A/V Switching] Page 2B/2 ~



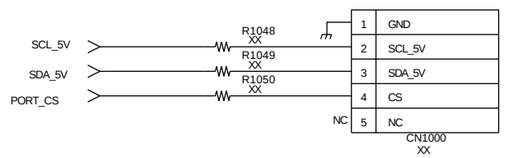
~ A1/A1P Board Schematic Diagram [Tuner, I/O Connectors & A/V Switching] Page 2C/2 ~

A1/A1P.-SE1

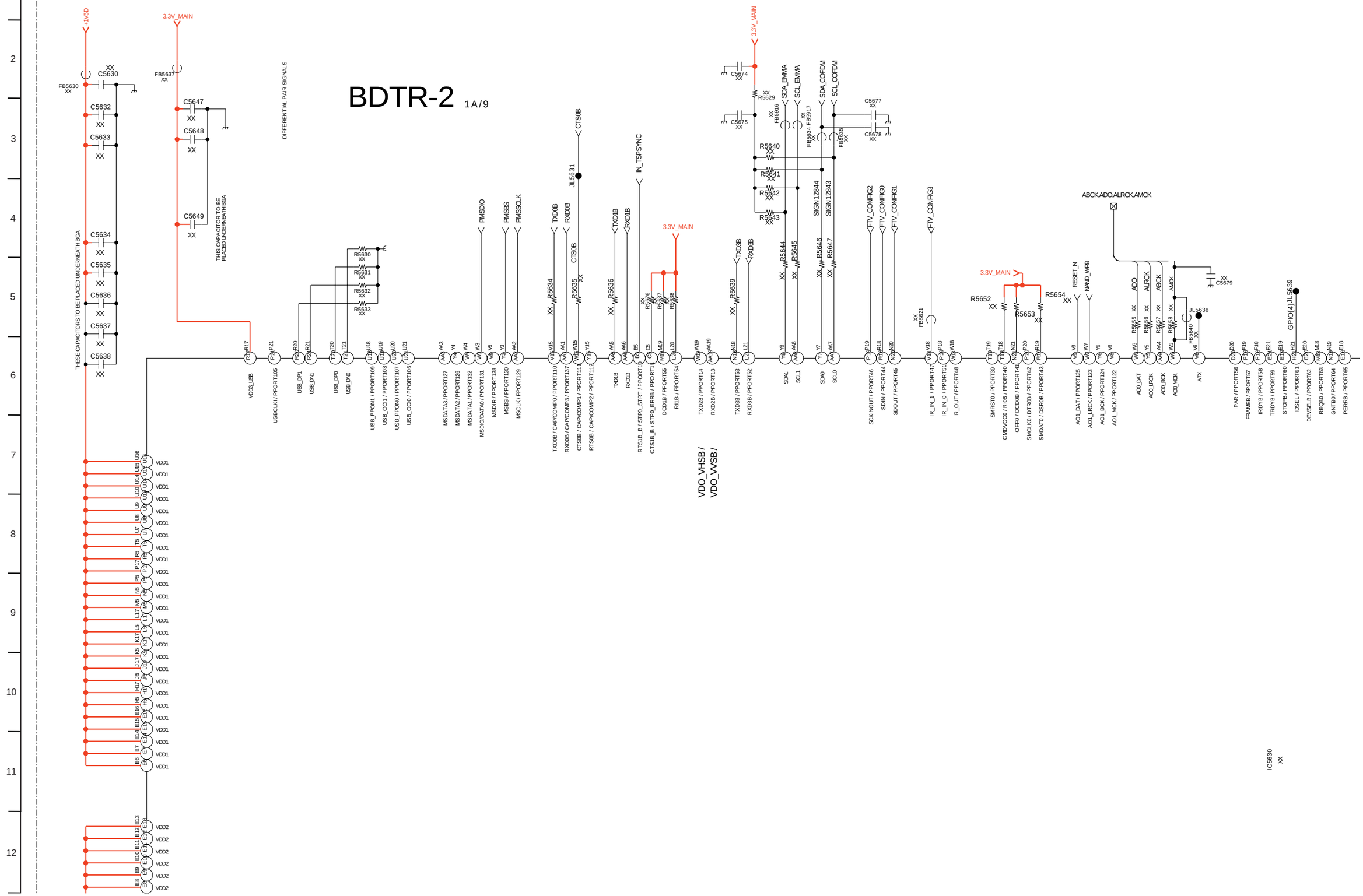
I2C TUNER SWITCH (analog/digital)

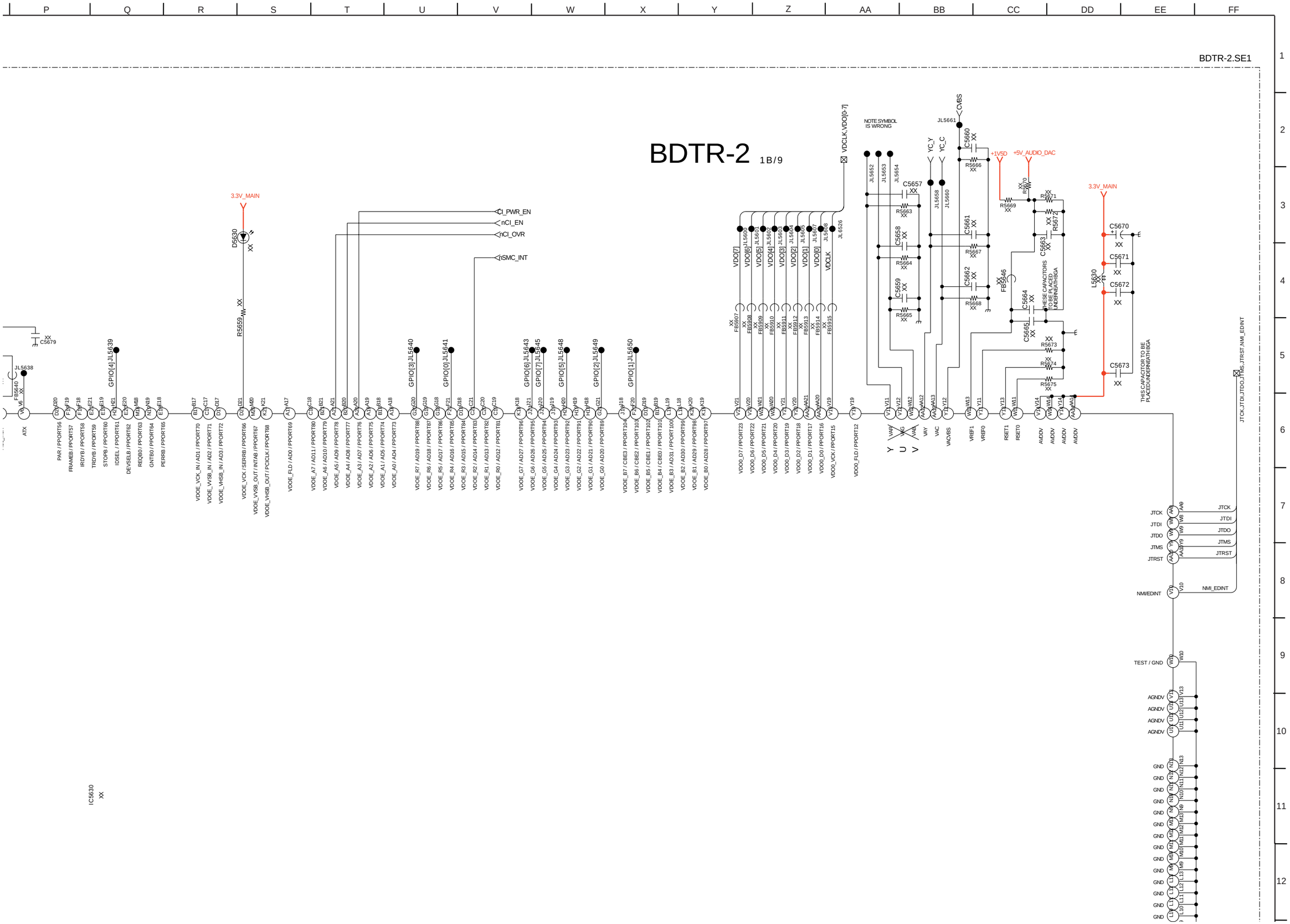


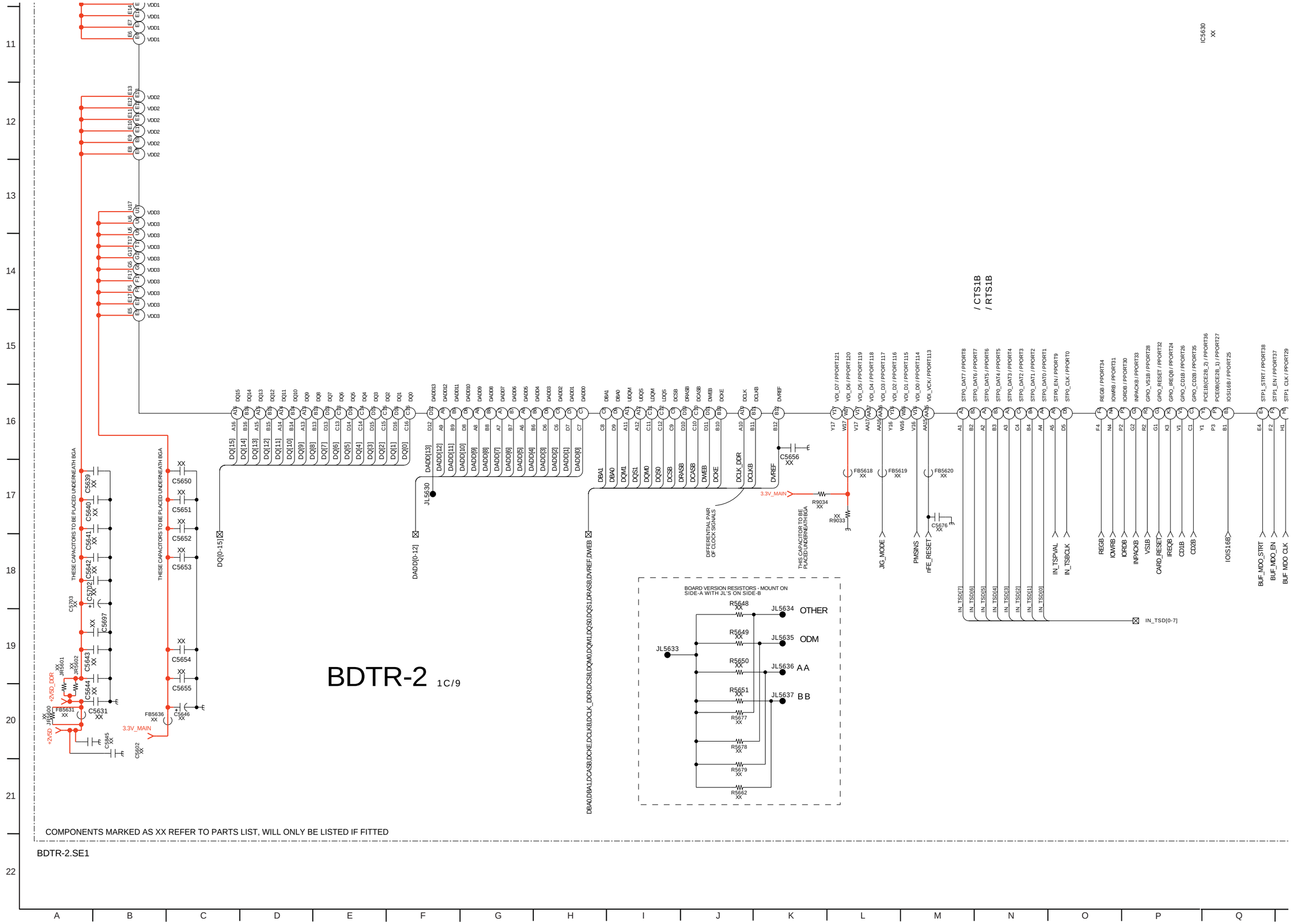
SERVICE CONNECTOR



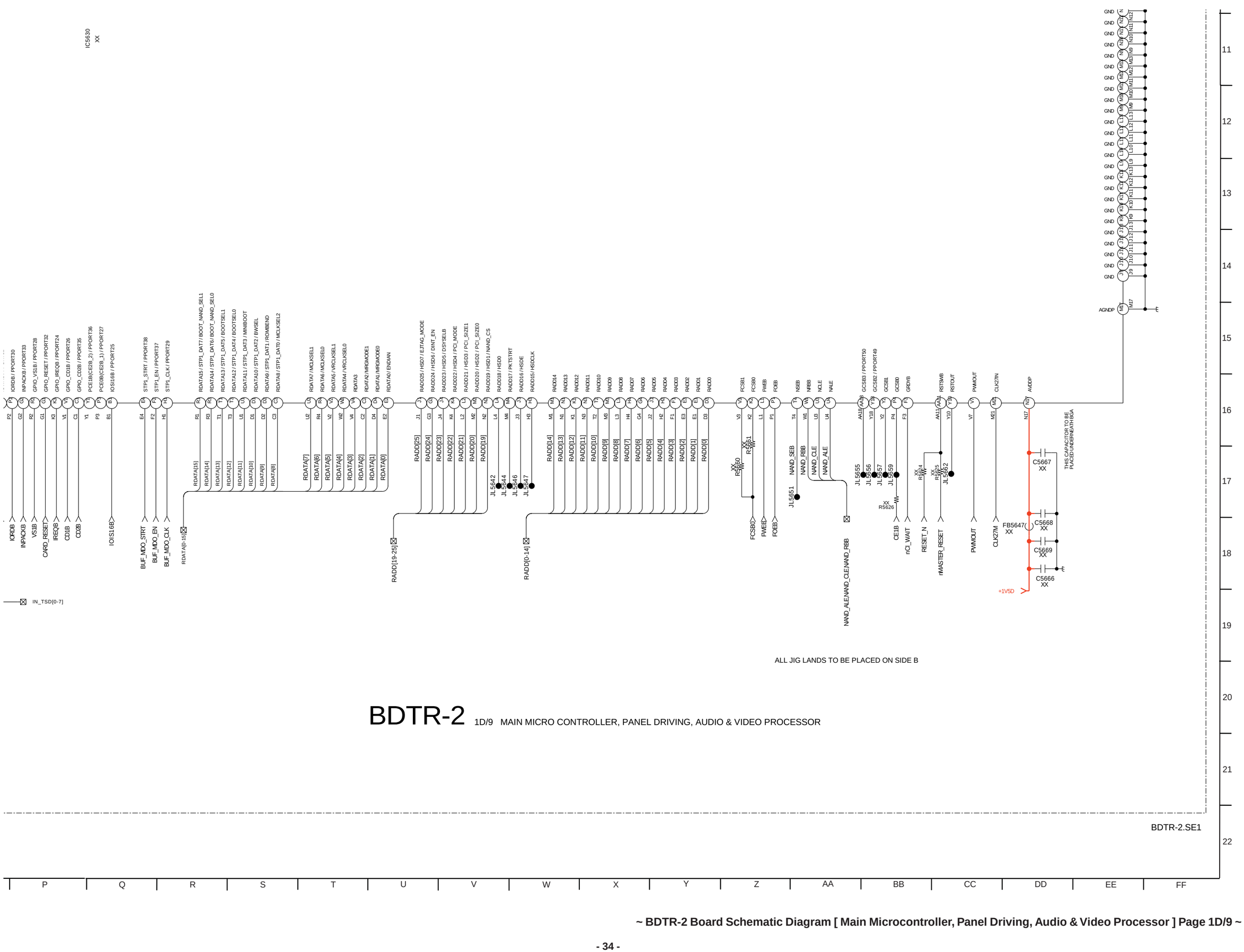
A1/A1P 2D/2


BDTR-2.SE1
BDTR-2 1A/9
+1V5D
3.3V_MAIN
DIFFERENTIAL PAIR SIGNALS
THESE CAPACITORS TO BE PLACED UNDERNEATH BGA
THIS CAPACITOR TO BE PLACED UNDERNEATH BGA
C5630
C5632
C5633
C5634
C5635
C5636
C5637
C5638
C5647
C5648
C5649
FB5630
FB5637
VDD1
VDD2
VDD_USB
USBCLK1 / PPORT105
USB_DP1
USB_DN1
USB_DP0
USB_DN0
USB_PPON1 / PPORT109
USB_OCI1 / PPORT108
USB_PPON0 / PPORT107
USB_OCI0 / PPORT106
MSDATA3 / PPORT127
MSDATA2 / PPORT126
MSDATA1 / PPORT132
MSDIO/DATA0 / PPORT131
MSDIR / PPORT128
MSBS / PPORT130
MSCLK / PPORT129
PMSDIO
PMSBS
PMSSCLK
TXD0B / CAP/COMP0 / PPORT110
RXD0B / CAP/COMP3 / PPORT137
CTS0B / CAP/COMP1 / PPORT111
RTS0B / CAP/COMP2 / PPORT114
TXD0B
RXD0B
CTS0B
JL5631
R5630
R5631
R5632
R5633
R5634
R5635
TXD1B / PPORT54
RXD1B / PPORT53
RTS1B_B / STPO_STRT / PPORT10
CTS1B_B / STPO_ERRB / PPORT11
DCD1B / PPORT55
R11B / PPORT54
TXD1B
RXD1B
IN_TSPSYNC
R5636
TXD2B / PPORT14
RXD2B / PPORT13
TXD3B / PPORT53
RXD3B / PPORT52
TXD3B
RXD3B
R5639
SDA1
SCL1
SDA0
SCL0
SDA_EMMA
SCL_EMMA
SDA_COFDM
SCL_COFDM
SIGN12844
SIGN12843
R5644
R5645
R5646
R5647
C5674
C5675
C5677
C5678
R5629
R5640
R5641
R5642
R5643
FB5916
FB5917
FB5934
FB5935
SCKINOUT / PPORT46
SDIN / PPORT44
SDOUT / PPORT45
FTV_CONFIG2
FTV_CONFIG0
FTV_CONFIG1
FTV_CONFIG3
FB5521
IR_IN_1 / PPORT47
IR_IN_0 / PPORT51
IR_OUT / PPORT48
SMRSTO / PPORT39
CMDVCCO / RI0B / PPORT40
OFFO / DCD0B / PPORT41
SMCLK0 / DTR0B / PPORT42
SMDAT0 / DSR0B / PPORT43
3.3V_MAIN
R5652
R5653
R5654
RESET_N
NAND_WPB
ABCK,ADO,ALRCK,AMCK
AO1_DAT / PPORT125
AO1_LRCK / PPORT123
AO1_BCK / PPORT124
AO1_MCK / PPORT122
ADO_DAT
ADO_LRCK
ADO_BCK
ADO_MCK
ADO
ALRCK
ABCK
AMCK
R5655
R5656
R5657
R5658
C5679
JL5638
FB5640
ATX
PAR / PPORT56
FRAMEB / PPORT57
IRDYB / PPORT58
TRDYB / PPORT59
STOPB / PPORT60
IDSEL / PPORT61
DEVSELB / PPORT62
REQ0B0 / PPORT63
GNTB0 / PPORT64
PERRB / PPORT65
GPIO[4] JL5639
VDO_VHSB / VDO_VWSB /
IC5630
XX


BDTR-2 1B/9
BDTR-2.SE1
P Q R S T U V W X Y Z AA BB CC DD EE FF
1 2 3 4 5 6 7 8 9 10 11 12
3.3V_MAIN
D5630
R5659
CI_PWR_EN
nCI_EN
nCI_OVR
nSMC_INT
C5679
JL5638
FB5640
ATX
GPIO[4] JL5639
GPIO[3] JL5640
GPIO[0] JL5641
GPIO[6] JL5643
GPIO[7] JL5645
GPIO[5] JL5648
GPIO[2] JL5649
GPIO[1] JL5650
VDCLK,VDO[0-7]
JL6526
VDO[7]
VDO[6]
VDO[5]
VDO[4]
VDO[3]
VDO[2]
VDO[1]
VDO[0]
VDCLK
NOTE SYMBOL IS WRONG
JL5652
JL5653
JL5654
C5657
R5663
C5658
R5664
C5659
R5665
JL5657
JL5658
JL5660
CVBS
JL5661
C5660
R5666
C5661
R5667
C5662
R5668
+1V5D
R5669
+5V_AUDIO_DAC
R5670
R5671
R5672
C5663
FB5646
C5664
C5665
R5673
R5674
R5675
THESE CAPACITORS TO BE PLACED UNDER 64TH BGA
3.3V_MAIN
L5630
C5670
C5671
C5672
C5673
THIS CAPACITOR TO BE PLACED UNDER 64TH BGA
JTCK,JTDI,JTDO,JTMS,JTRST,NMI_EDINT
JTCK
JTDI
JTDO
JTMS
JTRST
NMI/EDINT
NMI_EDINT
TEST / GND
AGNDV
GND
IC5630
XX
PAR / PPORT56
FRAMEB / PPORT57
IRDYB / PPORT58
TRDYB / PPORT59
STOPB / PPORT60
IDSEL / PPORT61
DEVSELB / PPORT62
REQB0 / PPORT63
GNTB0 / PPORT64
PERRB / PPORT65
VDOE_VCK_IN / AD1 / PPORT70
VDOE_VVSB_IN / AD2 / PPORT71
VDOE_VHSB_IN / AD3 / PPORT72
VDOE_VCK / SERRB / PPORT66
VDOE_VVSB_OUT / INTAB / PPORT67
VDOE_VHSB_OUT / PCICLK / PPORT68
VDOE_FLD / AD0 / PPORT69
VDOE_A7 / AD11 / PPORT80
VDOE_A6 / AD10 / PPORT79
VDOE_A5 / AD9 / PPORT78
VDOE_A4 / AD8 / PPORT77
VDOE_A3 / AD7 / PPORT76
VDOE_A2 / AD6 / PPORT75
VDOE_A1 / AD5 / PPORT74
VDOE_A0 / AD4 / PPORT73
VDOE_R7 / AD19 / PPORT88
VDOE_R6 / AD18 / PPORT87
VDOE_R5 / AD17 / PPORT86
VDOE_R4 / AD16 / PPORT85
VDOE_R3 / AD15 / PPORT84
VDOE_R2 / AD14 / PPORT83
VDOE_R1 / AD13 / PPORT82
VDOE_R0 / AD12 / PPORT81
VDOE_G7 / AD27 / PPORT96
VDOE_G6 / AD26 / PPORT95
VDOE_G5 / AD25 / PPORT94
VDOE_G4 / AD24 / PPORT93
VDOE_G3 / AD23 / PPORT92
VDOE_G2 / AD22 / PPORT91
VDOE_G1 / AD21 / PPORT90
VDOE_G0 / AD20 / PPORT89
VDOE_B7 / CBE3 / PPORT104
VDOE_B6 / CBE2 / PPORT103
VDOE_B5 / CBE1 / PPORT102
VDOE_B4 / CBE0 / PPORT101
VDOE_B3 / AD31 / PPORT100
VDOE_B2 / AD30 / PPORT99
VDOE_B1 / AD29 / PPORT98
VDOE_B0 / AD28 / PPORT97
VDOE_D7 / PPORT23
VDOE_D6 / PPORT22
VDOE_D5 / PPORT21
VDOE_D4 / PPORT20
VDOE_D3 / PPORT19
VDOE_D2 / PPORT18
VDOE_D1 / PPORT17
VDOE_D0 / PPORT16
VDOE_VCK / PPORT15
VDOE_FLD / PPORT12
Y U V
VREF1
VREF0
RSET1
RSET0
AVDDV
VACDVBS
VAC
VAY



~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 1C/9 ~



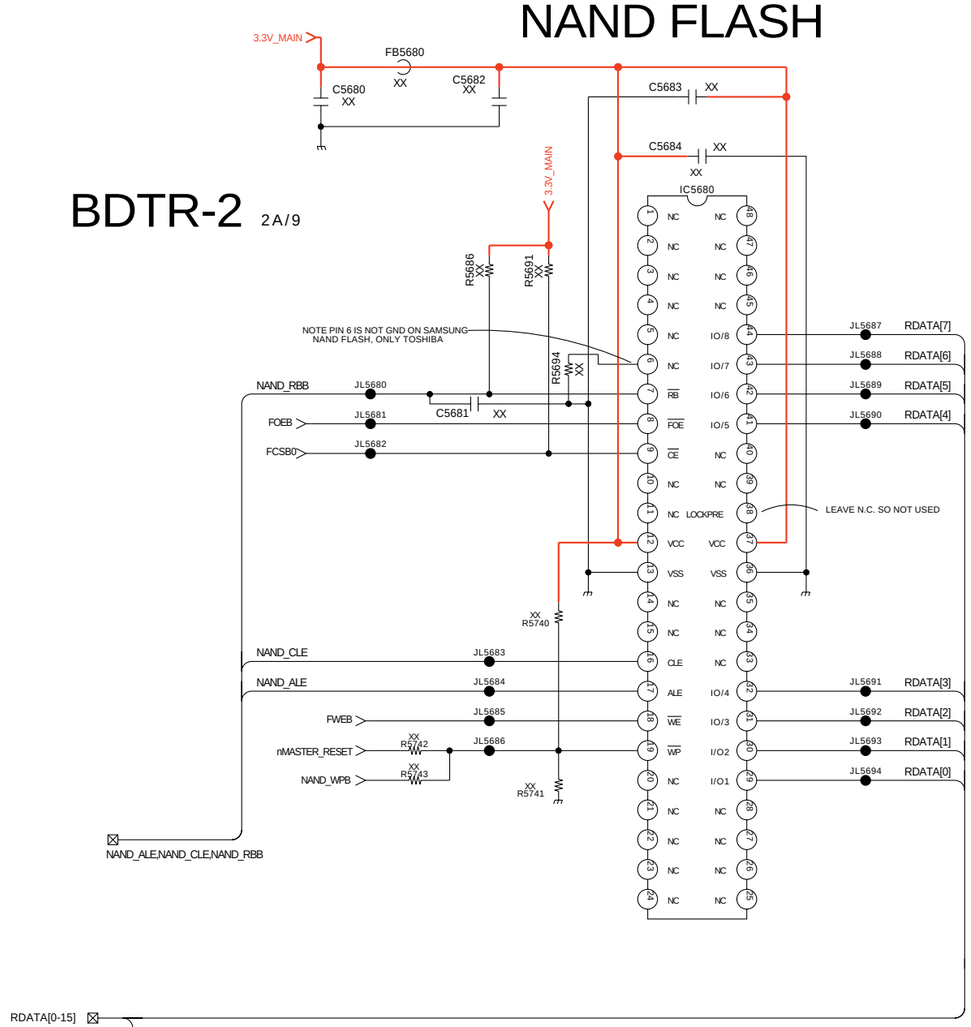
~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 1D/9 ~

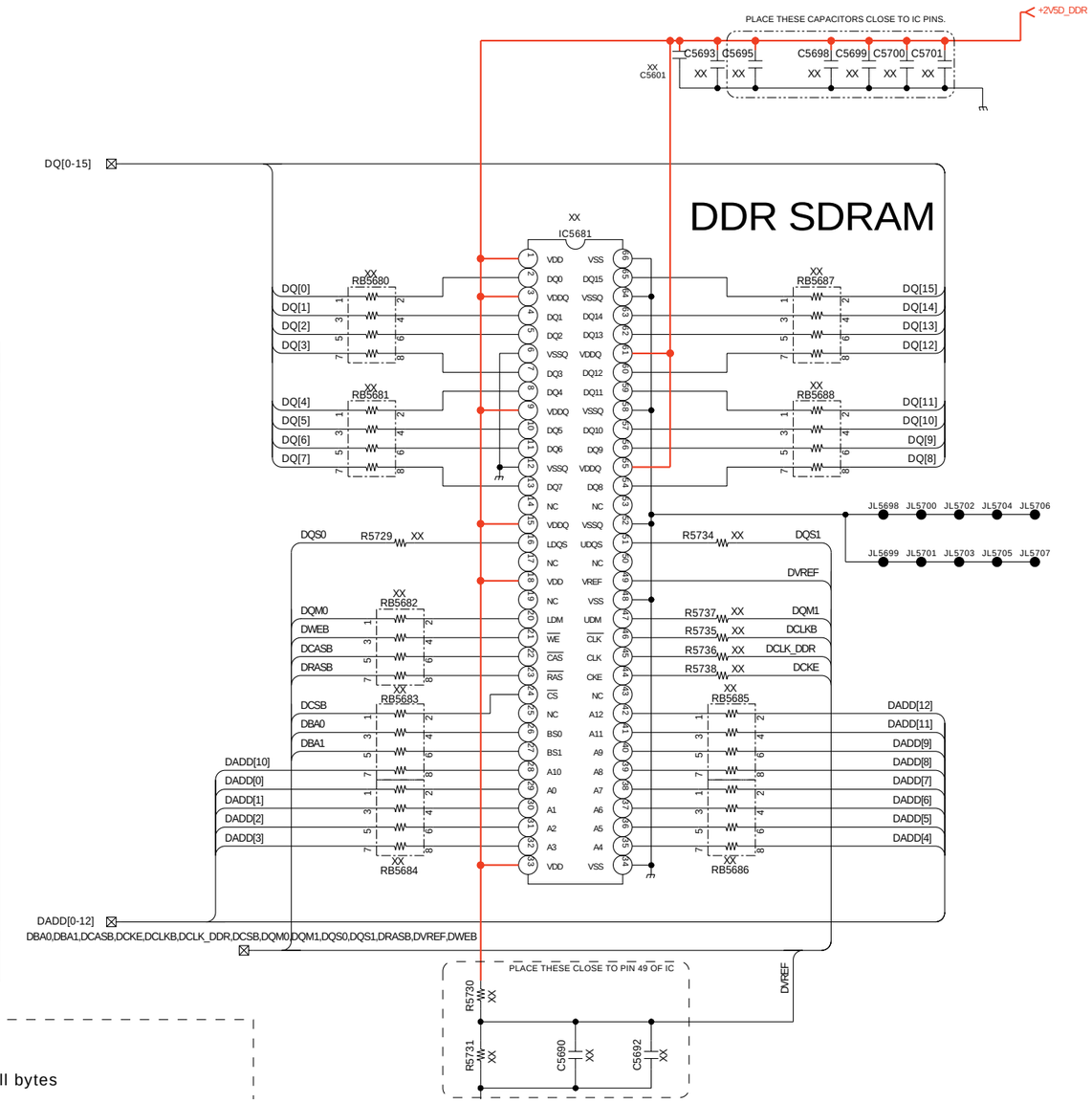
BDTR-2.SE1

NAND FLASH

BDTR-2 2A/9

DDR SDRAM





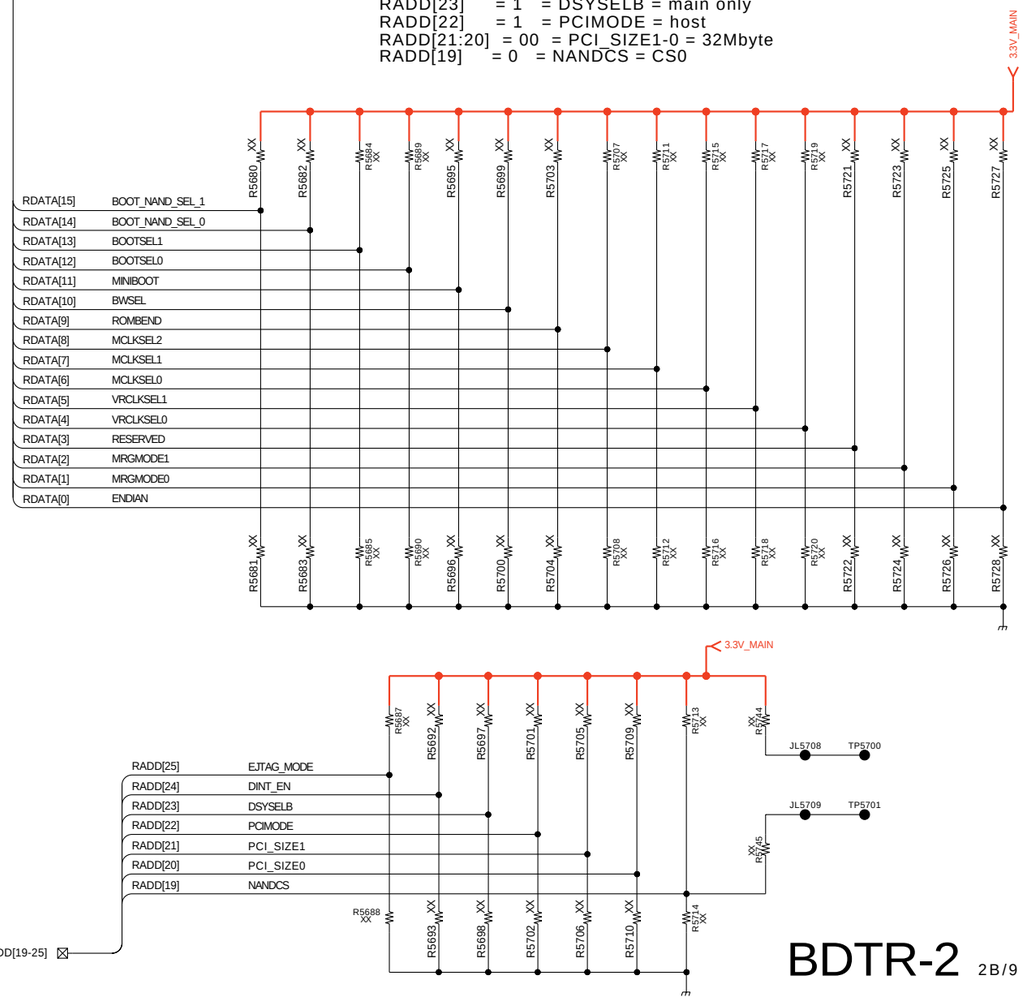
STRAP PINS

RDATA[0] = 1 = ENDIAN = Big Endian
RDATA[2:1] = 10 = MRGMODE1-0 = Full merge & All bytes
RDATA[3] = -- = RESERVED

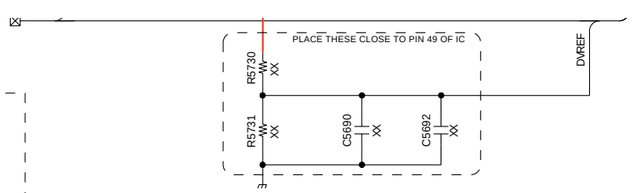
RDATA[0-15]

STRAP PINS

RDATA[0] = 1 = ENDIAN = Big Endian
RDATA[2:1] = 10 = MRGMODE1-0 = Full merge & All bytes
RDATA[3] = -- = RESERVED
RDATA[5:4] = 11 = VRCLKSEL1-0 = 201MHz
RDATA[8:6] = 101 = MCLKSEL2-0 = 187MHz
RDATA[9] = 1 = ROMBEND = Big Endian
RDATA[10] = 1 = BWSEL = 8bit
RDATA[11] = 1 = MINIBOOT = use miniboot
RDATA[13:12] = 11 = BOOTSEL1-0 = Nand, then Memory Stick
RDATA[15:14] = 00 = BOOT_NAND_SEL1-0 = <256mbit
RADD[25] = 1 = EJTAG_MODE = EJTAG
RADD[24] = 0 = DINT_EN = disable
RADD[23] = 1 = DSYSELB = main only
RADD[22] = 1 = PCIMODE = host
RADD[21:20] = 00 = PCI_SIZE1-0 = 32Mbyte
RADD[19] = 0 = NANDCS = CS0



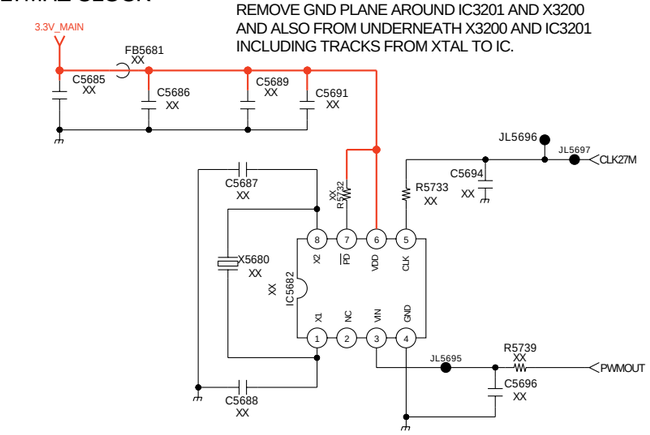
BDTR-2 2B/9



PLEASE PLACE COMPONENTS IN
THIS BOX IN SAME AREA ON PWB

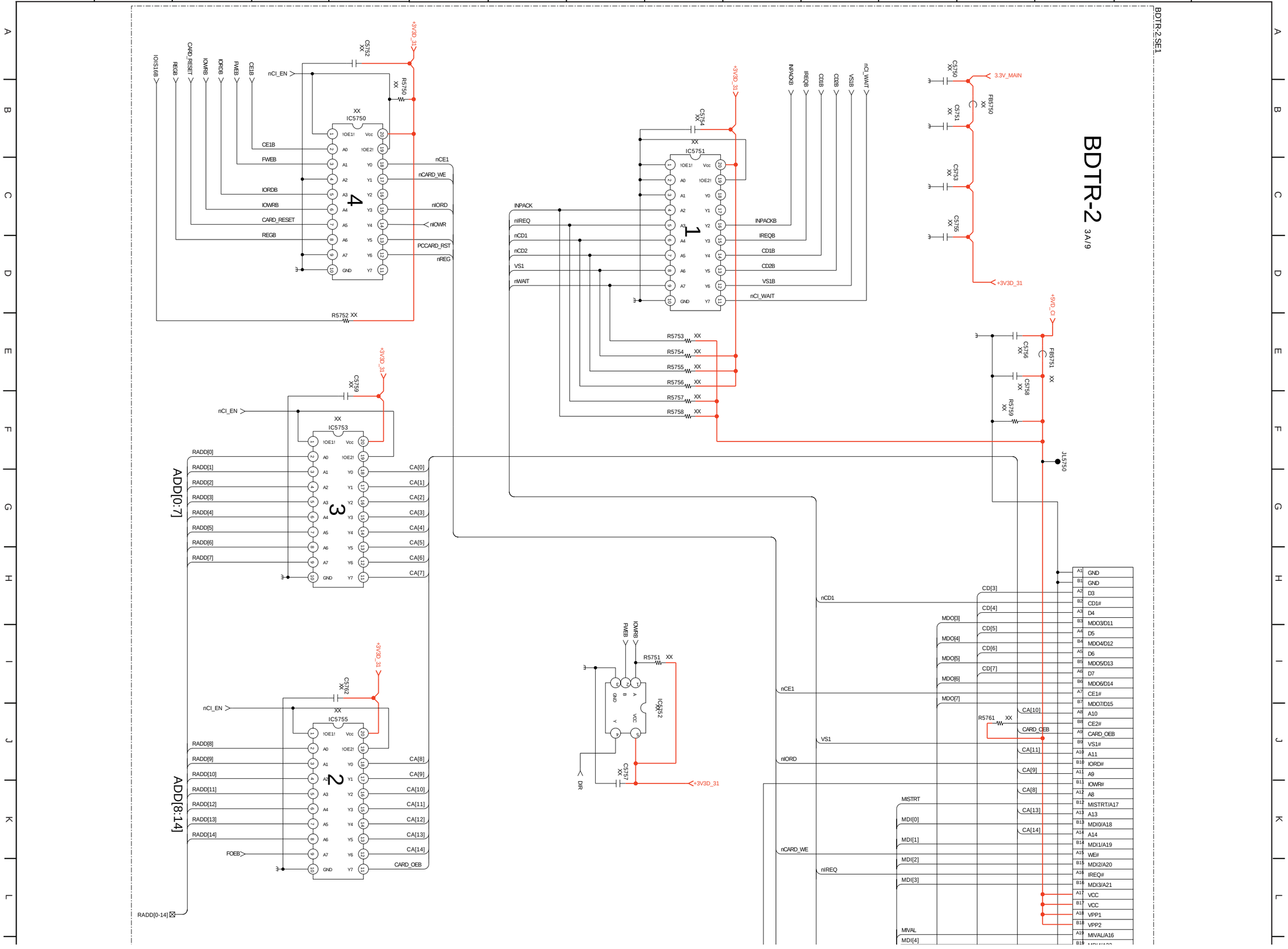
27MHZ CLOCK

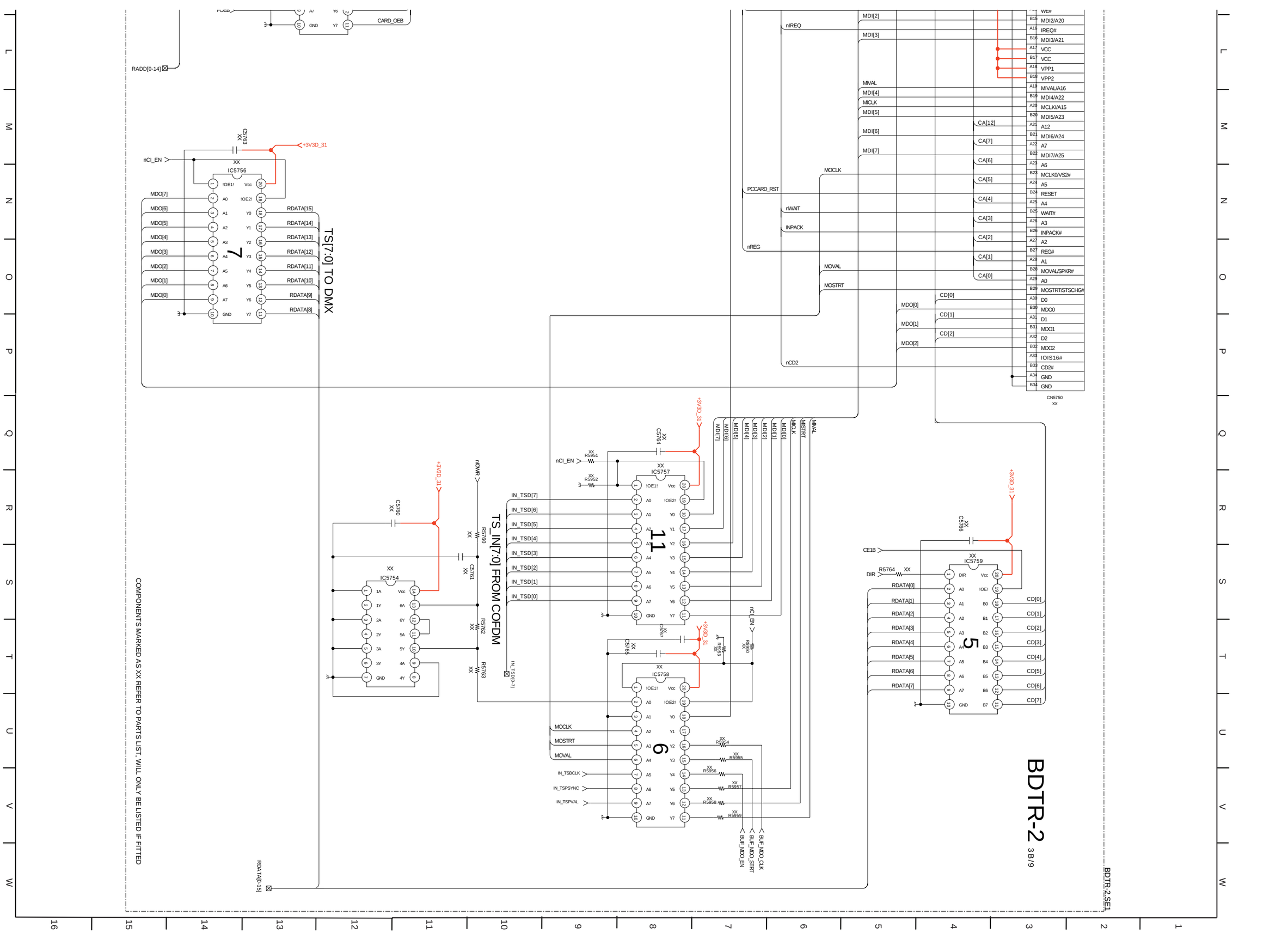
LAYOUT NOTE:-
REMOVE GND PLANE AROUND IC3201 AND X3200
AND ALSO FROM UNDERNEATH X3200 AND IC3201
INCLUDING TRACKS FROM XTAL TO IC.



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

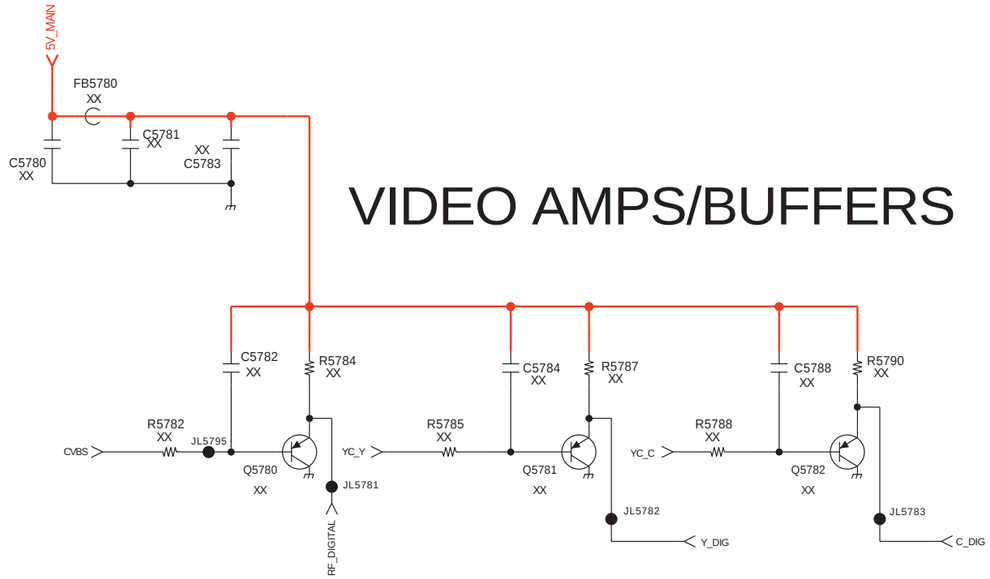
BDTR-2.SE1


BDTR-2 SE1
BDTR-2 3A/9
IC5750
IC5751
IC5752
IC5753
IC5755
R5750 XX
R5751 XX
R5752 XX
R5753 XX
R5754 XX
R5755 XX
R5756 XX
R5757 XX
R5758 XX
R5759 XX
R5761 XX
C5750 XX
C5751 XX
C5752 XX
C5753 XX
C5754 XX
C5755 XX
C5756 XX
C5757 XX
C5758 XX
C5759 XX
C5762 XX
FB5750 XX
FB5751 XX
3.3V_MAIN
+3V3D_31
+5VD_CI
nCI_EN
CE1B
FWEB
IOWRB
IORDB
CARD_RESET
REGB
IOIS16B
nCE1
nCARD_WE
nIORD
nIOWR
PCCARD_RST
nREG
INPACK
nIREQ
nCD1
nCD2
VS1
nWAIT
INPACKB
IREQB
CD1B
CD2B
VS1B
nCI_WAIT
ADD[0:7]
ADD[8:14]
RADD[0]
RADD[1]
RADD[2]
RADD[3]
RADD[4]
RADD[5]
RADD[6]
RADD[7]
RADD[8]
RADD[9]
RADD[10]
RADD[11]
RADD[12]
RADD[13]
RADD[14]
RADD[0-14]
CA[0]
CA[1]
CA[2]
CA[3]
CA[4]
CA[5]
CA[6]
CA[7]
CA[8]
CA[9]
CA[10]
CA[11]
CA[12]
CA[13]
CA[14]
FOEB
CARD_OEB
DIR
JL5750
GND
D3
CD1#
D4
MDO3/D11
D5
MDO4/D12
D6
MDO5/D13
D7
MDO6/D14
CE1#
MDO7/D15
A10
CE2#
VS1#
A11
IORD#
A9
IOWR#
A8
MISTRT/A17
A13
MDI0/A18
A14
MDI1/A19
WE#
MDI2/A20
IREQ#
MDI3/A21
VCC
VPP1
VPP2
MIVAL/A16
CD[3]
CD[4]
CD[5]
CD[6]
CD[7]
MDO[3]
MDO[4]
MDO[5]
MDO[6]
MDO[7]
MDI[0]
MDI[1]
MDI[2]
MDI[3]
MDI[4]
MIVAL

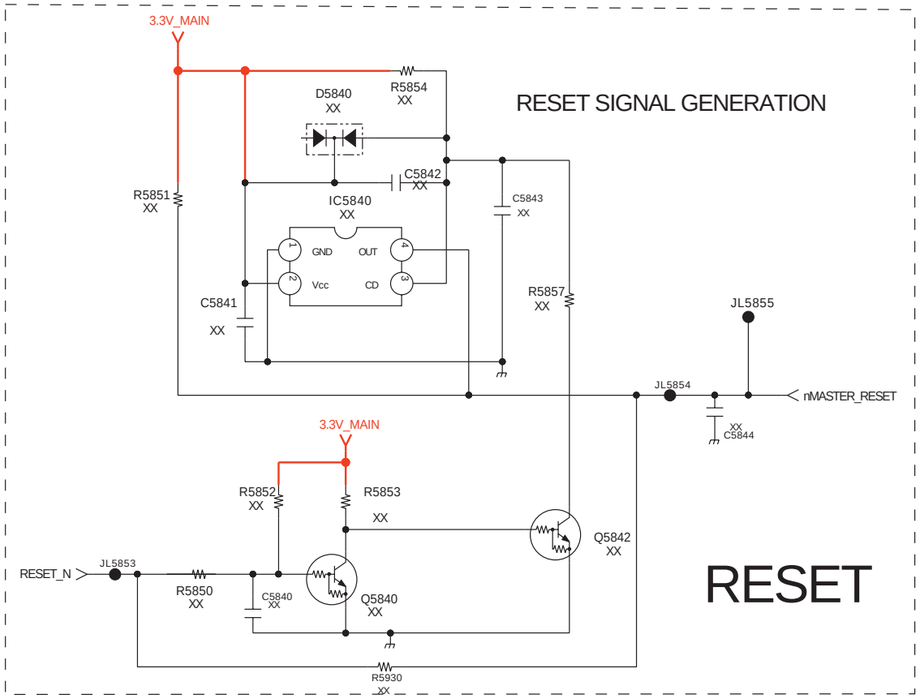


~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 3B/9 ~

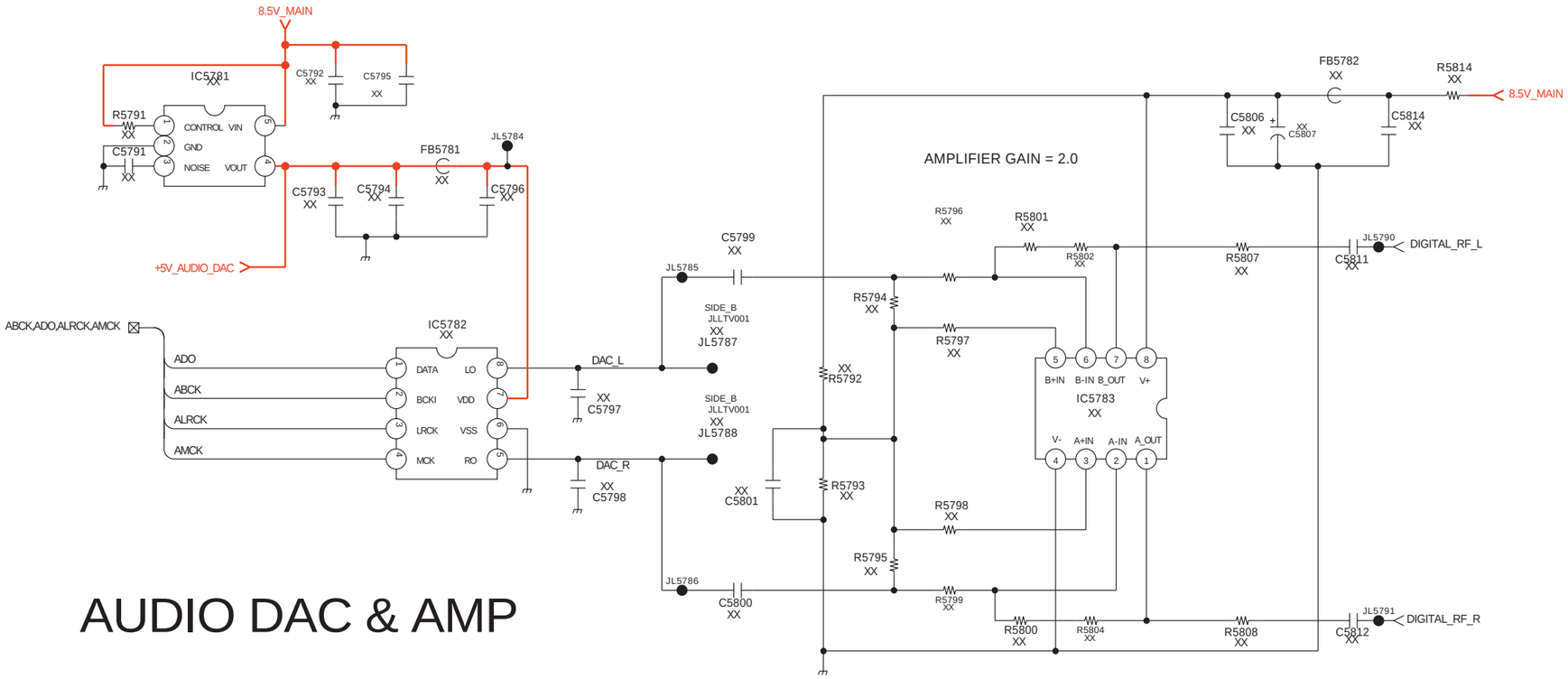
VIDEO AMPS/BUFFERS



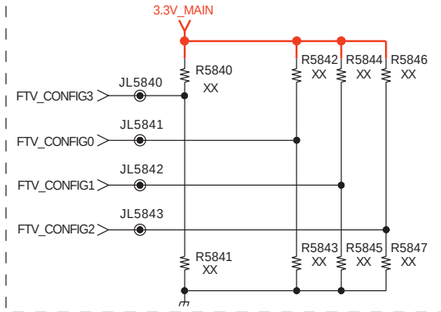
RESET



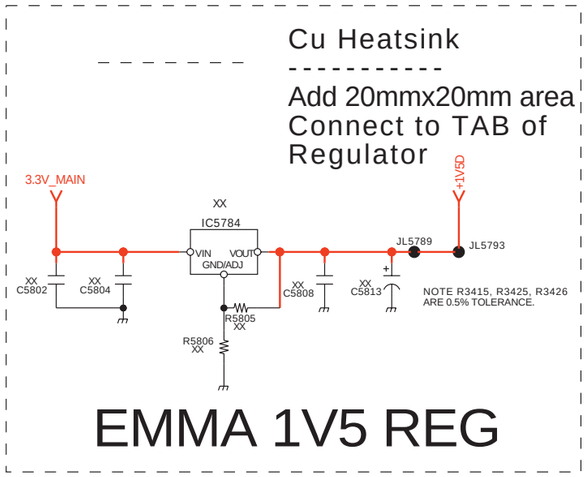
AUDIO DAC & AMP



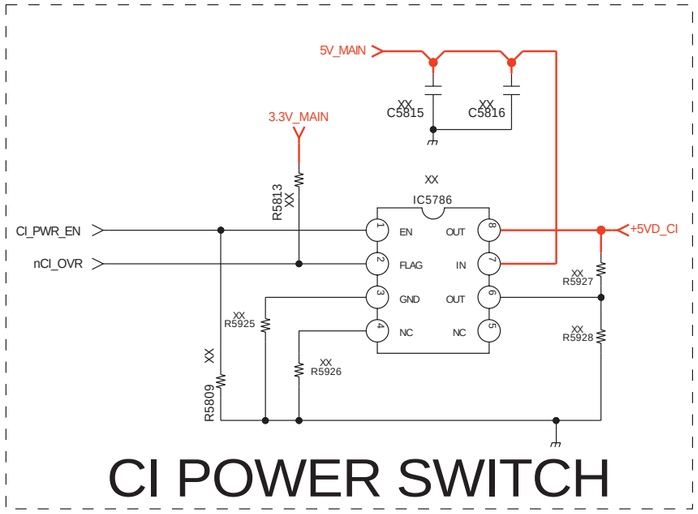
S/W OPTION SELECT R's



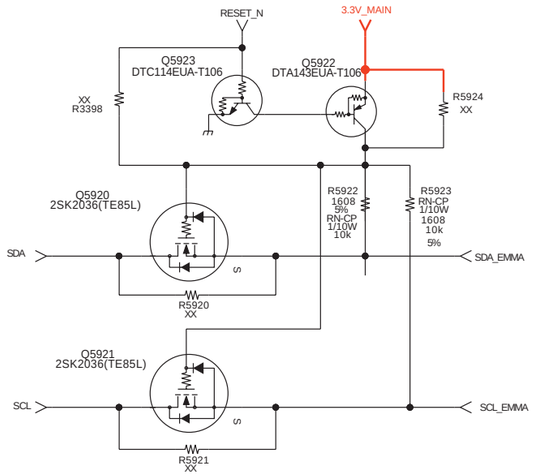
BDTR-2 4A/9

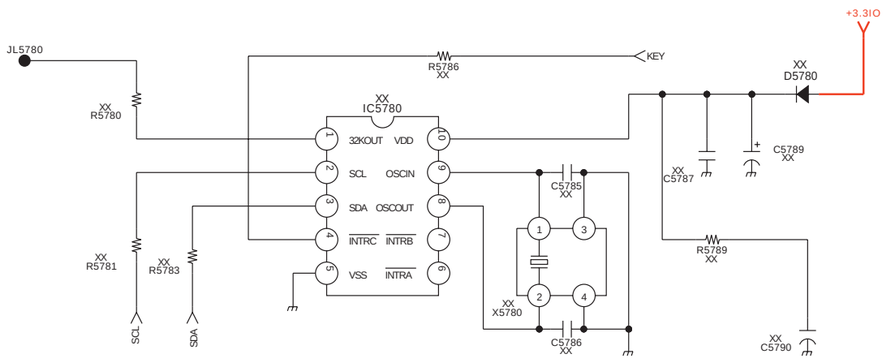


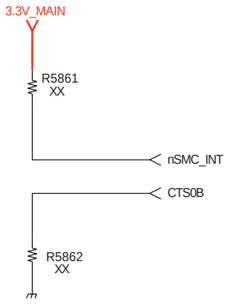
EMMA 1V5 REG

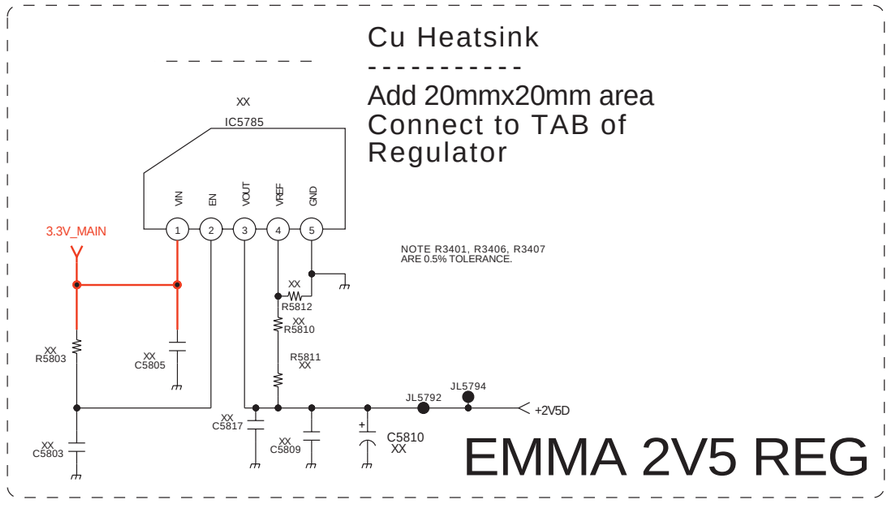


CI POWER SWITCH









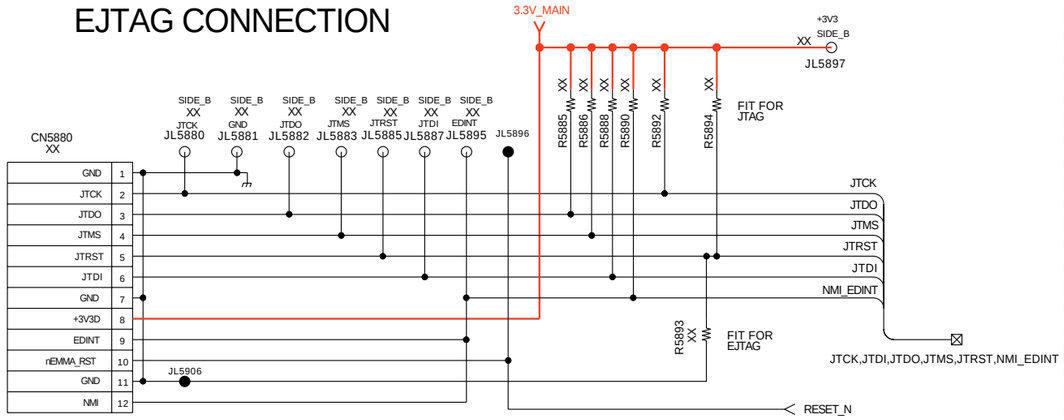
EMMA 2V5 REG

BDTR-2 4B/9

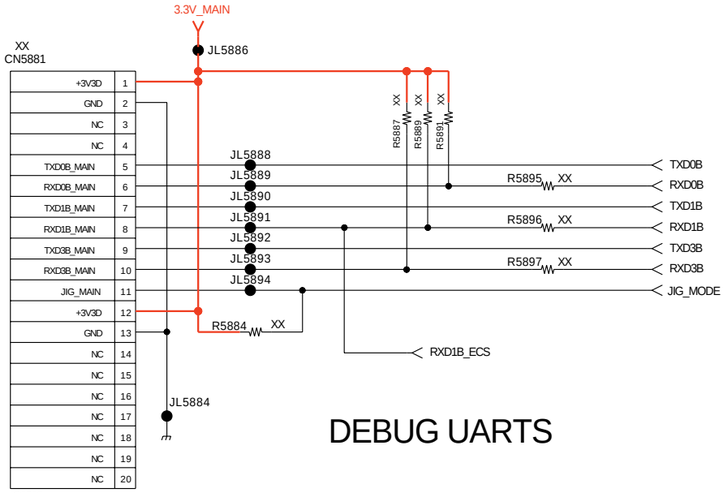
BDTR-2 4B/9

BDTR-2 5/9

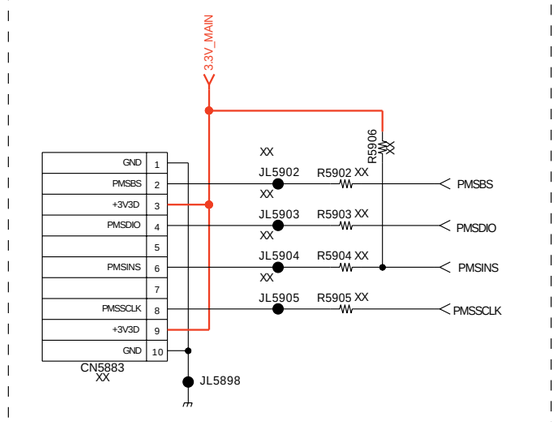
EJTAG CONNECTION



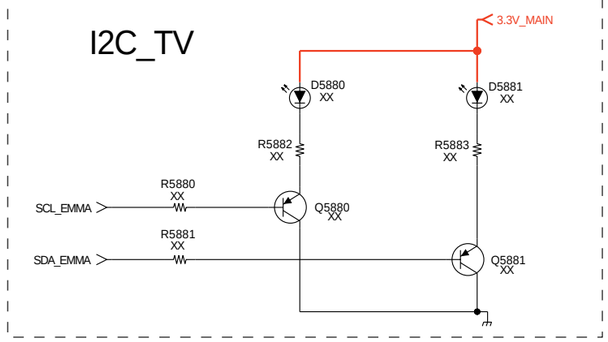
DEBUG UARTS



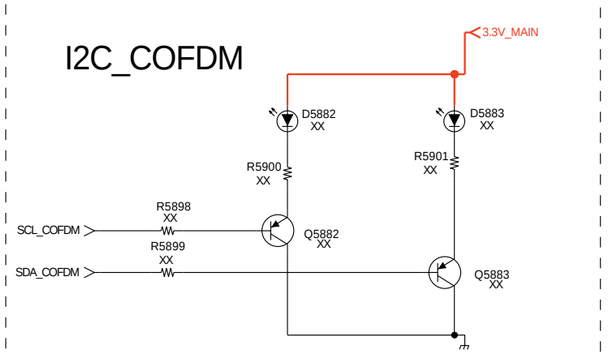
SERVICE (MEMORY STICK) CONNECTOR



I2C_TV



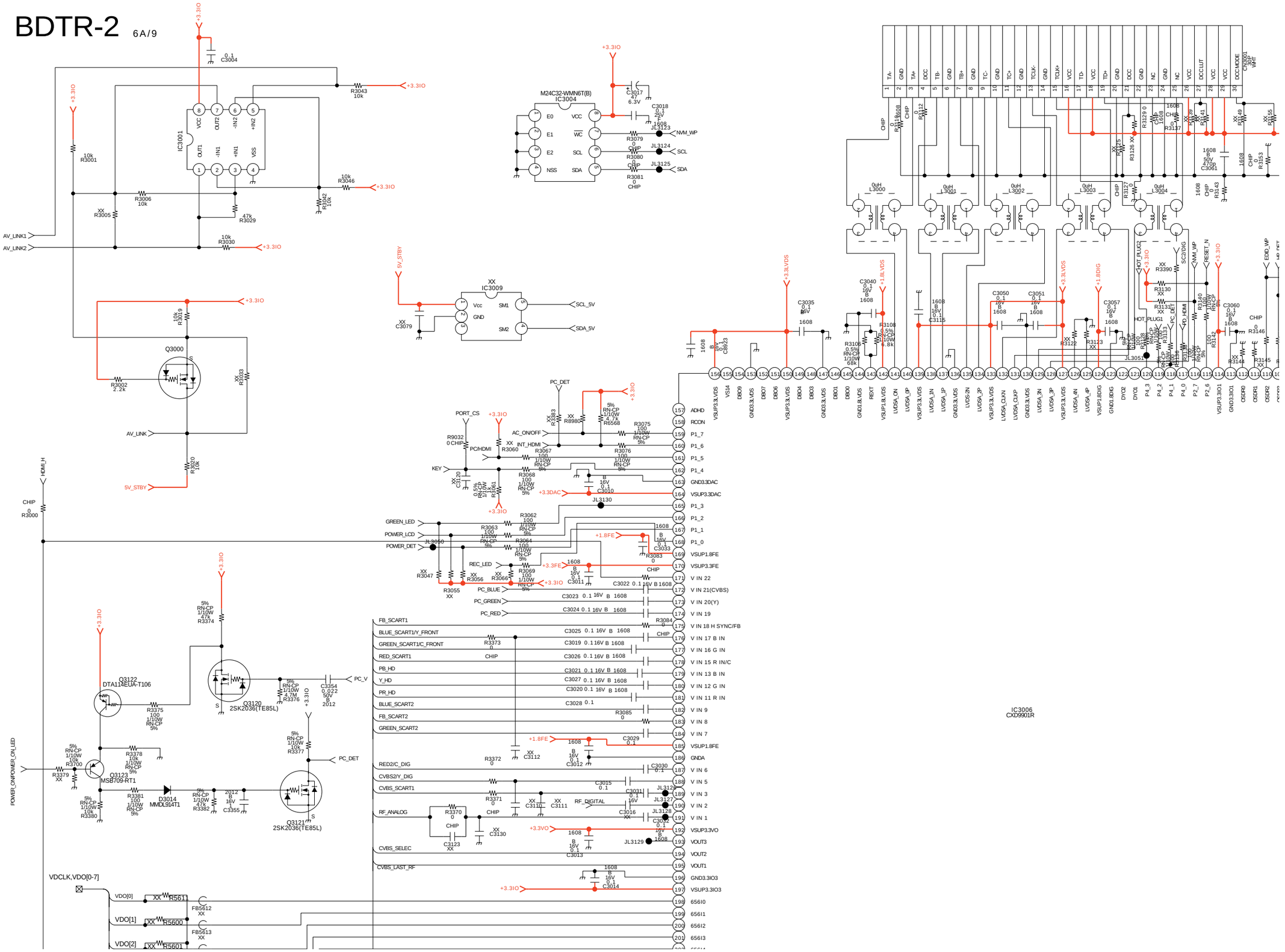
I2C_COFDM



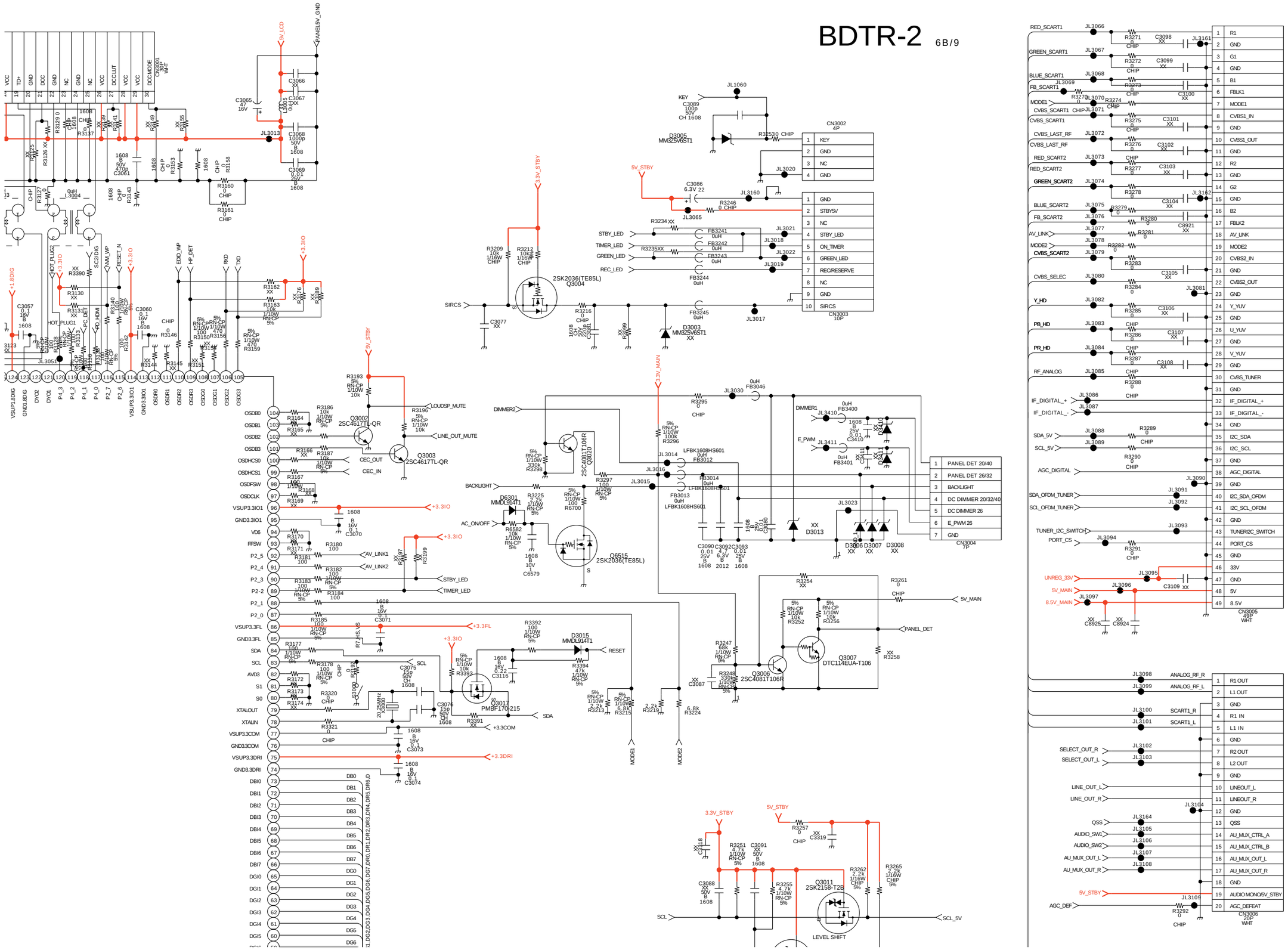
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

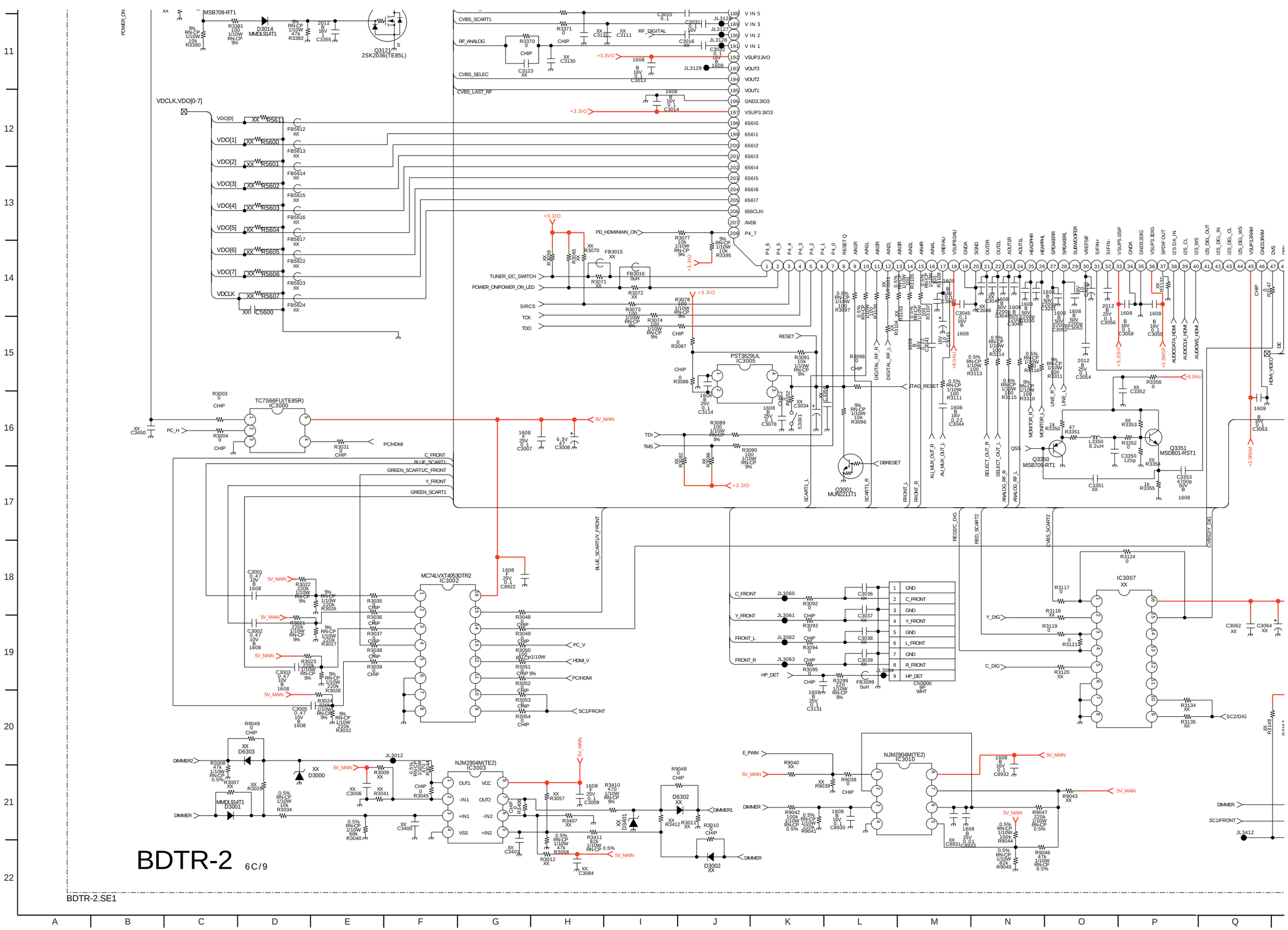
BDTR-2 6A/9



BDTR-2 6B/9



~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 6B/9 ~


BDTR-2
6C/9
BDTR-2.SE1
MSB709-RT1
Q3121
2SK2036(TE85L)
VDCLK,VDO[0-7]
TC7S66FU(TE85R)
IC3000
PST3629UL
IC3005
MC74LVXT4053DTR2
IC3002
NJM2904M(TE2)
IC3003
NJM2904M(TE2)
IC3010
MMDL914T1
D3001
Q3001
MUN2211T1
Q3350
MSB709-RT1
Q3351
MSD601-RST1
IC3007
CN3000
WHT
5V_MAIN
+3.3VO
+3.3IO
+8.0AU
+5.0SIP
+3.3MSP
+3.3MAI
PC_H
PC/HDMI
C_FRONT
BLUE_SCART1/Y_FRONT
GREEN_SCART1/C_FRONT
Y_FRONT
GREEN_SCART1
PC_V
HDMI_V
SC1/FRONT
SC2/DIG
DIMMER
DIMMER1
DBRESET
JTAG_RESET
TUNER_I2C_SWITCH
POWER_ONPOWER_ON_LED
SIRCS
TCK
TDO
TDI
TMS
RESET
PD_HDMIMAIN_ON
CVBS_SCART1
RF_ANALOG
RF_DIGITAL
CVBS_SELEC
CVBS_LAST_RF
V IN 5
V IN 3
V IN 2
V IN 1
VSUP3.3VO
VOUT3
VOUT2
VOUT1
GND3.3IO3
VSUP3.3IO3
656I0
656I1
656I2
656I3
656I4
656I5
656I6
656I7
656CLKI
AVD6
P4_7
HDMI_VIDEO
DE
CHIP
DIGITAL_RF_R
DIGITAL_RF_L
SELECT_OUT_R
SELECT_OUT_L
ANALOG_RF_R
ANALOG_RF_L
AU_MUX_OUT_R
AU_MUX_OUT_L
SCART1_L
SCART1_R
FRONT_L
FRONT_R
LINE_R
LINE_L
MONITOR_R
MONITOR_L
QSS
E_PWM
DIMMER2
RED2/C_DIG
RED_SCART2
CVBS_SCART2
CVBSS/Y_DIG
C_DIG
Y_DIG
HP_DET
AUDIODATA_HDMI
AUDIOCLK_HDMI
AUDIOWS_HDMI
I2S_DEL_OUT
I2S_DEL_IN
I2S_DEL_CL
I2S_DEL_WS
I2S_DA_IN
I2S_CL
I2S_WS
VSUP3.3RAM
GND3.3RAM
DVS
SPDIF OUT
VREFSIF
SIFIN+
SIFIN-
VSUP5.0SIF
VSUP3.3DIG
GND3.3DIG
GNDA
VSUP5.0AU
VREFAU
AINVL
AINVR
AIN3L
AIN2L
AIN1L
AIN2R
AIN1R
RESET Q
P4_0
P4_1
P4_2
P4_3
P4_4
P4_5
P4_6
SPEAKERL
SPEAKERR
HEADPHL
HEADPHR
AOUTL
AOUTR
OUT2L
OUT2R
SGND
SUBWOOFER
IC5600
FB3016
FB3015
FB3099
L3350
8.2uH
C3056
C3058
C3059
C3054
C3053
C3055
C3352
C3353
C3354
C3351
C3350
C3063
C3064
C3062
C8922
C3007
C3008
C3114
C3078
C3009
C3084
C3131
C8930
C8931
C8933
C8932
C3003
C3004
C3005
C3006
C3400
C3401
C3402
C3403
C3441
C3442
C3443
C3444
C3445
C3446
C3447
C3448
C3449
C3450
C3451
C3452
C3453
C3454
C3455
C3456
C3457
C3458
C3459
C3460
C3461
C3462
C3463
C3464
C3465
C3466
C3467
C3468
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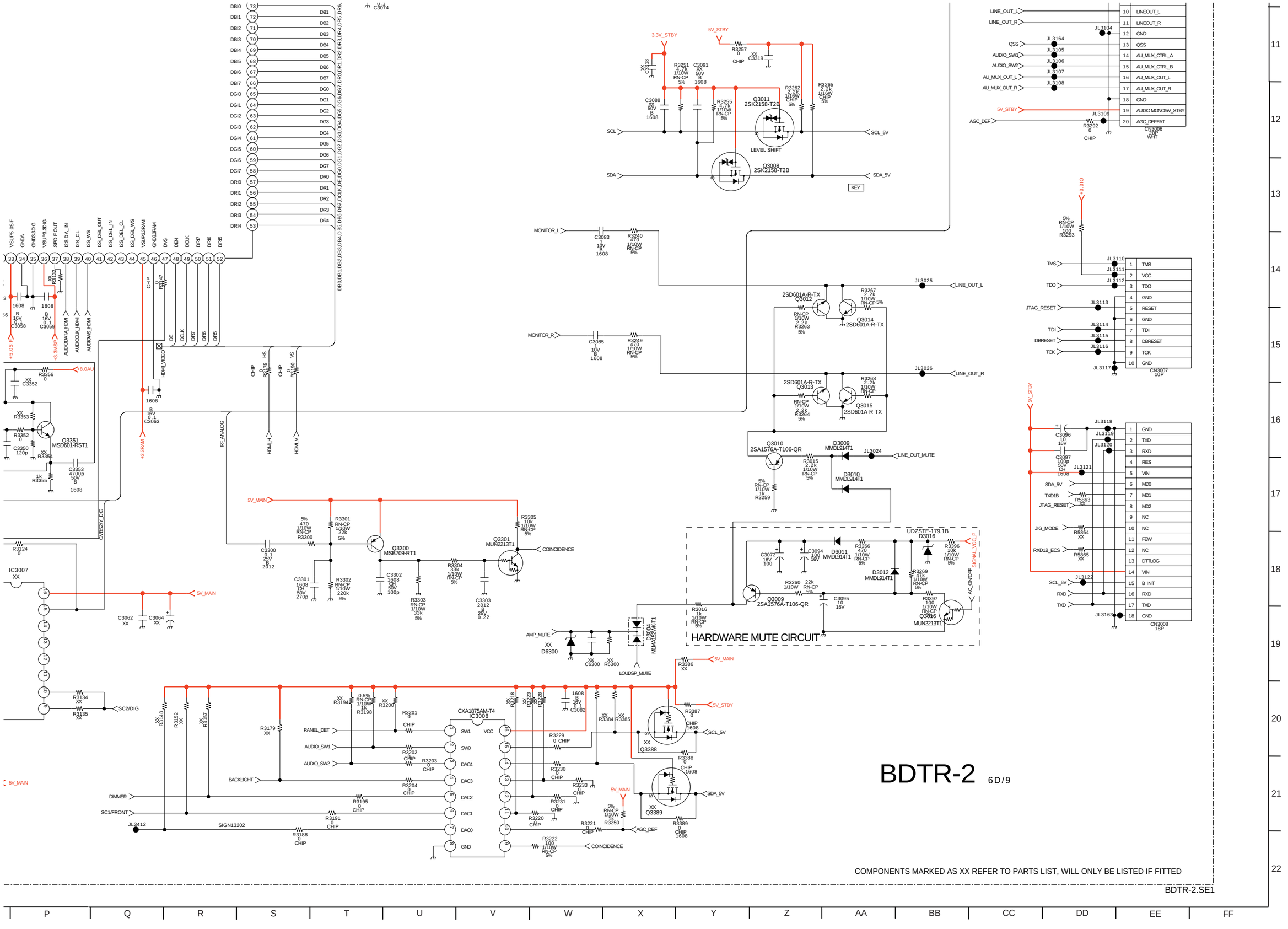
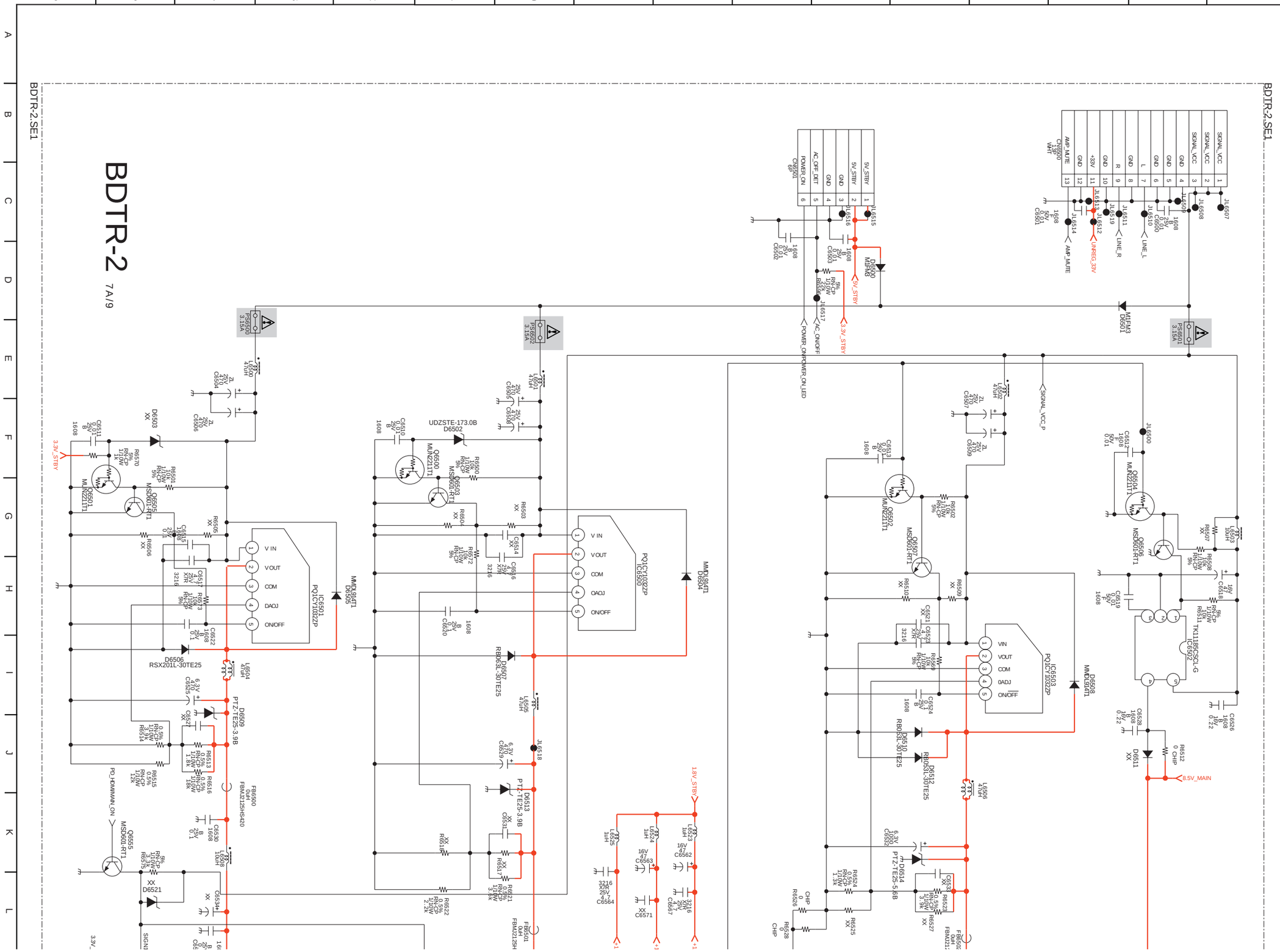
C3480


BDTR-2 6D/9
HARDWARE MUTE CIRCUIT
LEVEL SHIFT
KEY
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED
BDTR-2.SE1


BDTR-2
7A/9
BDTR-2.SE1
SIGNAL_VCC
SIGNAL_VCC
SIGNAL_VCC
GND
GND
GND
L
GND
R
GND
+33V
GND
AMP_MUTE
CN6500
WHT
JL6507
JL6508
JL6509
JL6510
JL6511
JL6512
JL6513
JL6514
LINE_L
LINE_R
UNREG_33V
AMP_MUTE
5V_STBY
5V_STBY
GND
GND
AC_OFF_DET
POWER_ON
CN6501
BR
JL6515
JL6516
JL6517
5V_STBY
3.3V_STBY
AC_ON/OFF
POWER_ON/POWER_ON_LED
MBRM13
D6501
PS6501
3.15A
PS6502
3.15A
PS6503
3.15A
PS6504
3.15A
PS6505
3.15A
PS6506
3.15A
SIGNAL_VCC_P
8.5V_MAIN
1.8V_STBY
3.3V_STBY
UDZSTE-173.0B
D6502
MMDL914T1
D6504
MMDL914T1
D6505
MMDL914T1
D6508
IC6501
PQ1CY10322ZP
IC6502
TK1185SCL-G
IC6503
PQ1CY10322ZP
IC6504
PQ1CY10322ZP
D6506
RSX201L-30TE25
D6507
RB063L-30TE25
D6509
PTZ-TE25-3.9B
D6510
RB063L-30TE25
D6511
XX
D6512
RB063L-30TE25
D6513
PTZ-TE25-3.9B
D6514
PTZ-TE25-5.6B
D6521
XX
D6603
XX
Q6500
MUN2211T1
Q6501
MUN2211T1
Q6502
MUN2211T1
Q6503
MSD601-RT1
Q6504
MUN2211T1
Q6505
MSD601-RT1
Q6506
MSD601-RT1
Q6507
MSD601-RT1
Q6555
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PD-HMMAIN_ON
SIGNAL_VCC_P
L6501
47uH
L6502
47uH
L6503
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0uH
FBMA2125HS420
FB6501
0uH
FBMA2125H
FB6502
0uH
FBMA2221
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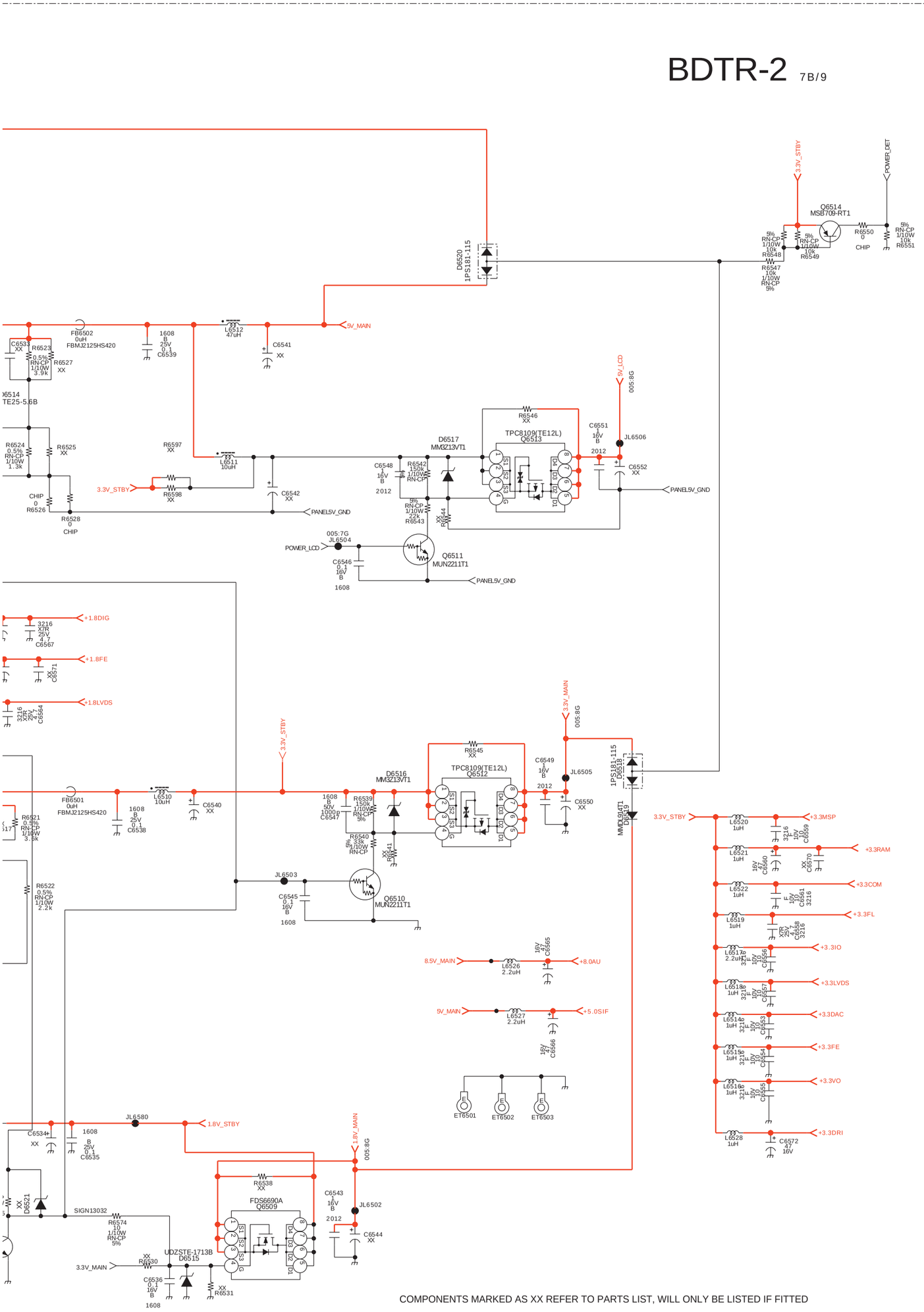
R6538
R6539

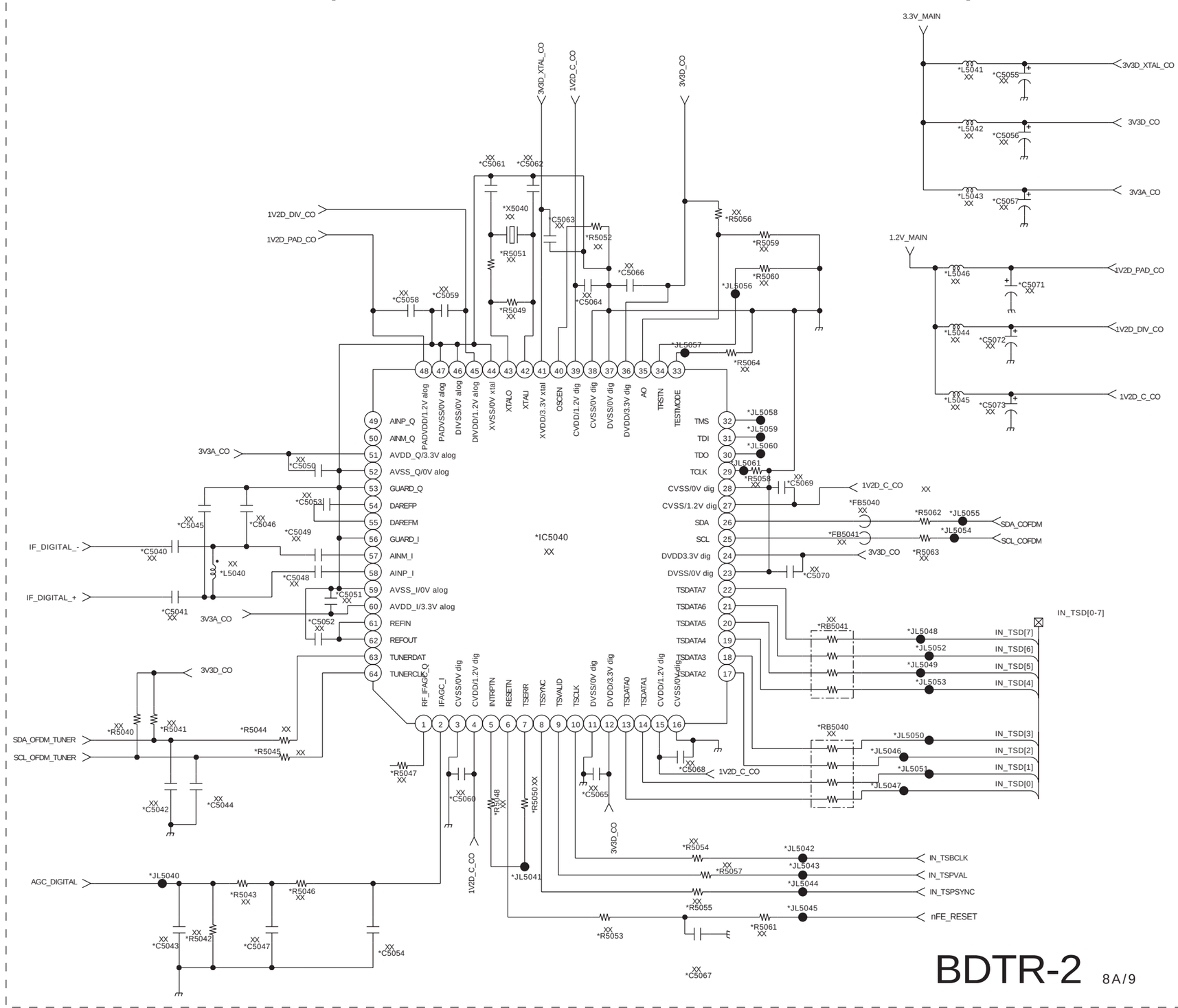
BDTR-2 7B/9



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

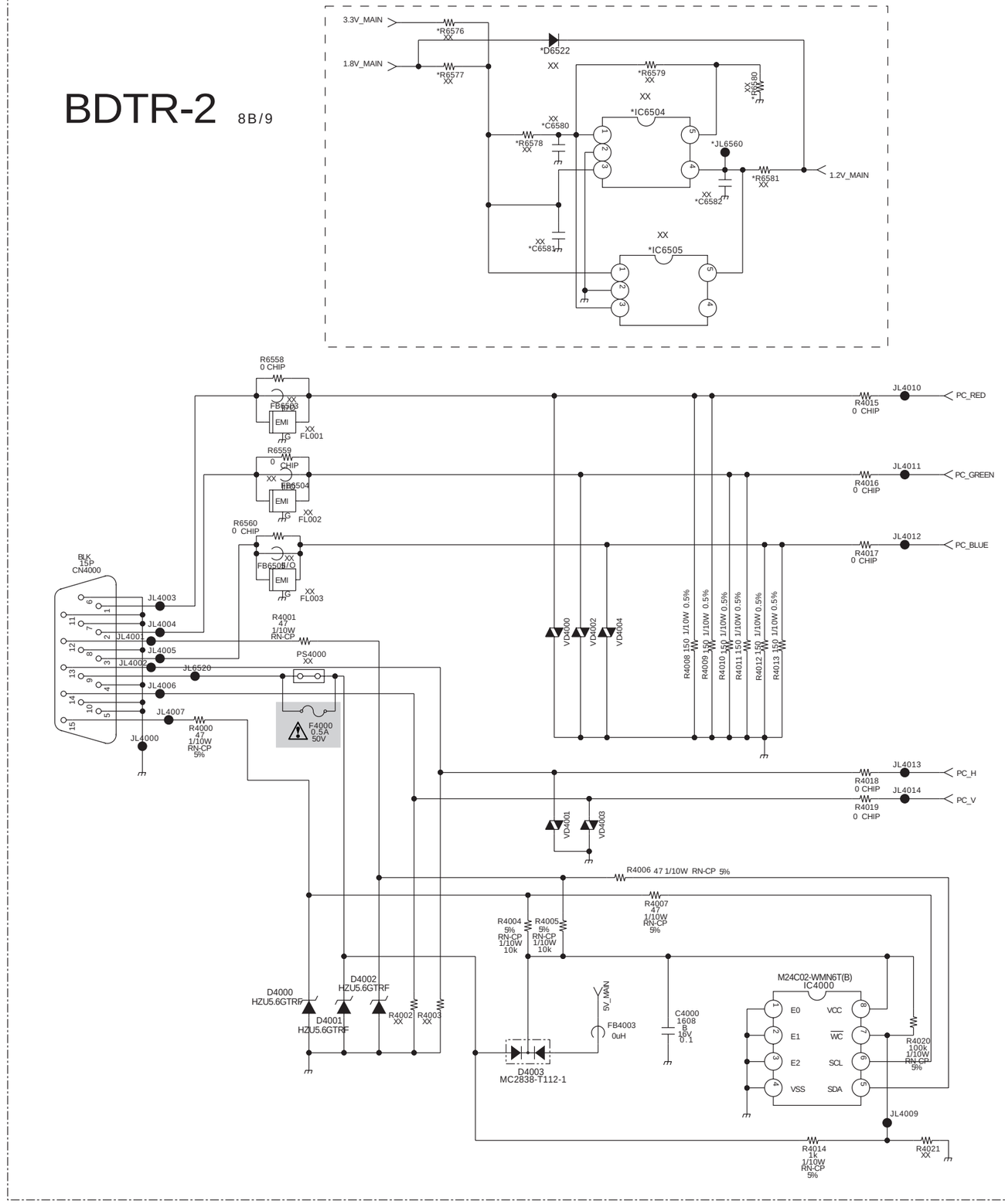
CXD1968R (COFDM DEMODULATOR BLOCK)



BDTR-2 8A/9

BDTR-2.SE1

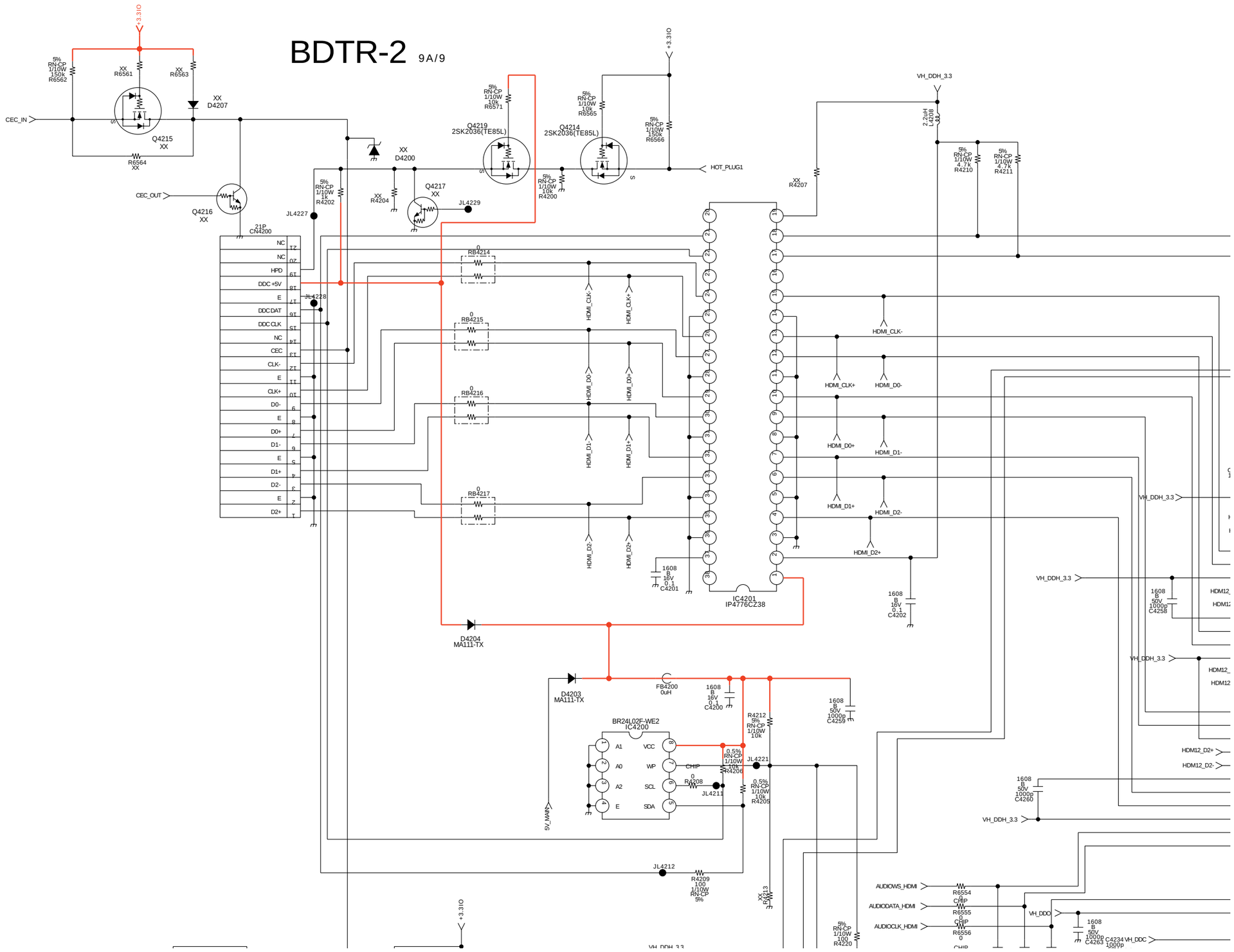
BDTR-2 8B/9



~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 8B/9 ~

BDTR-2.SE1

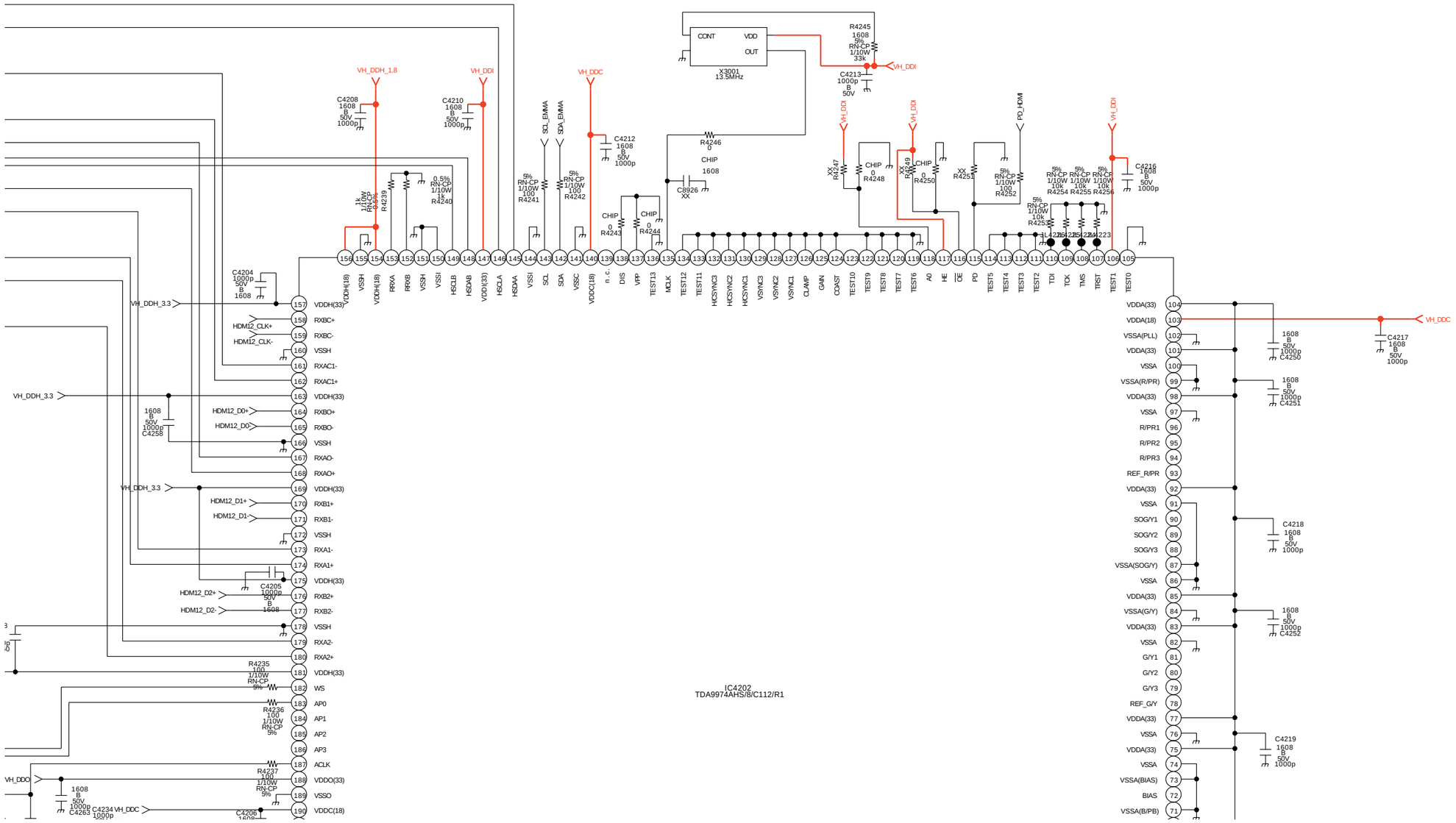
BDTR-2 9A/9



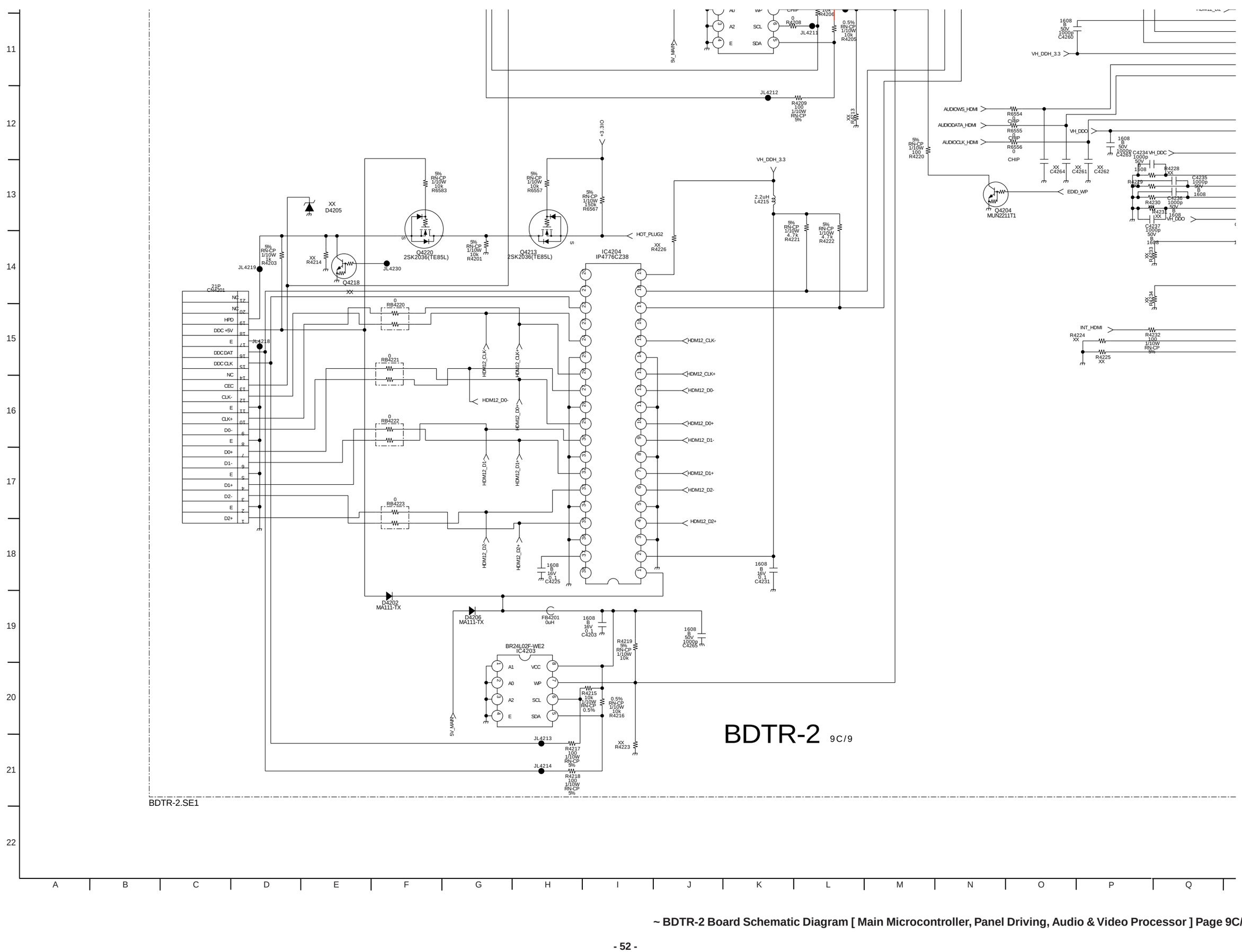
~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 9A/9 ~

BDTR-2.SE1

BDTR-2 9B/9



~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 9B/9 ~



~ BDTR-2 Board Schematic Diagram [Main Microcontroller, Panel Driving, Audio & Video Processor] Page 9C/9 ~

IC4202
TDA9974AHS/8/C112/R1

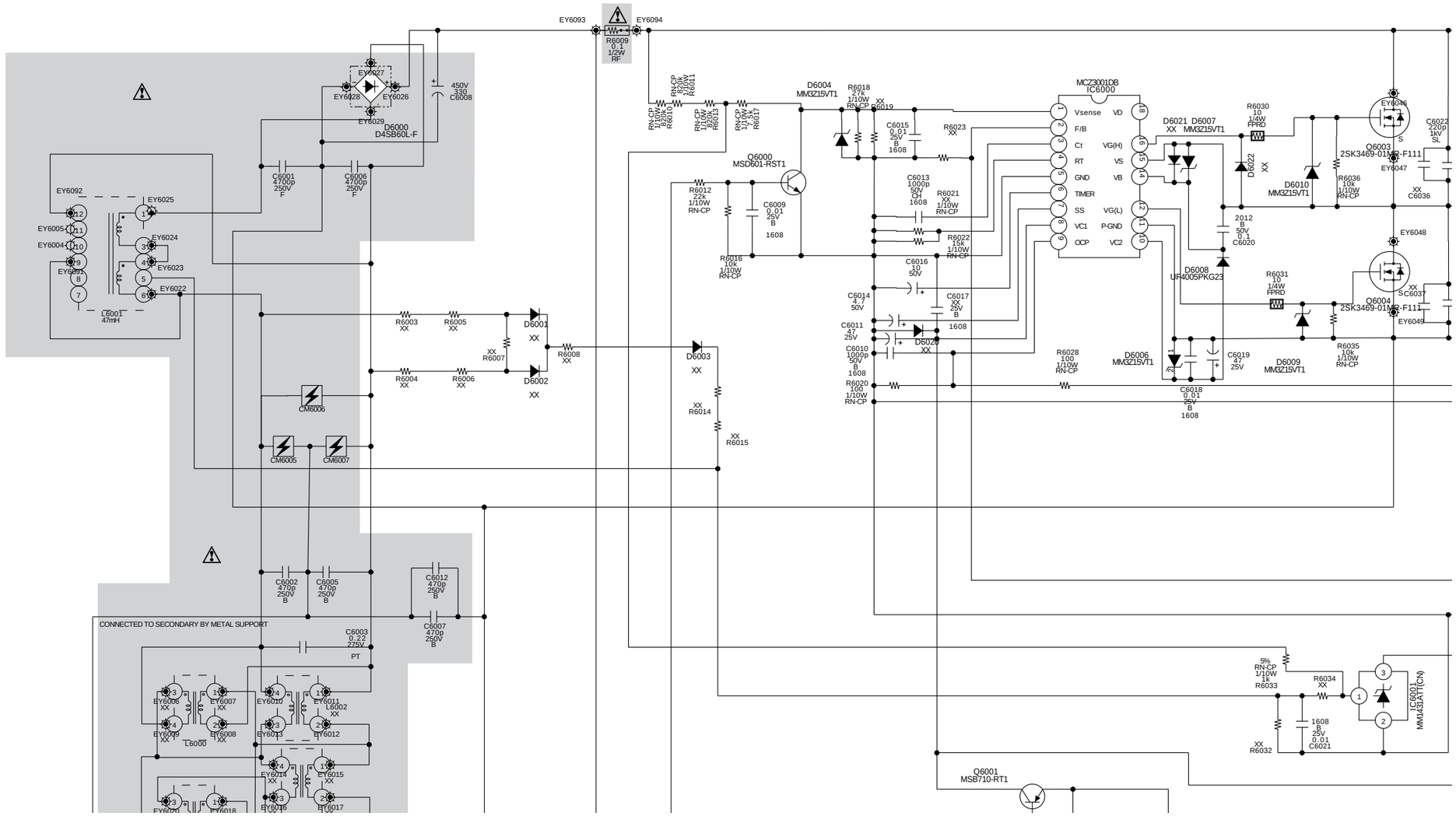
BDTR-2 9D/9

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

G1-SE1

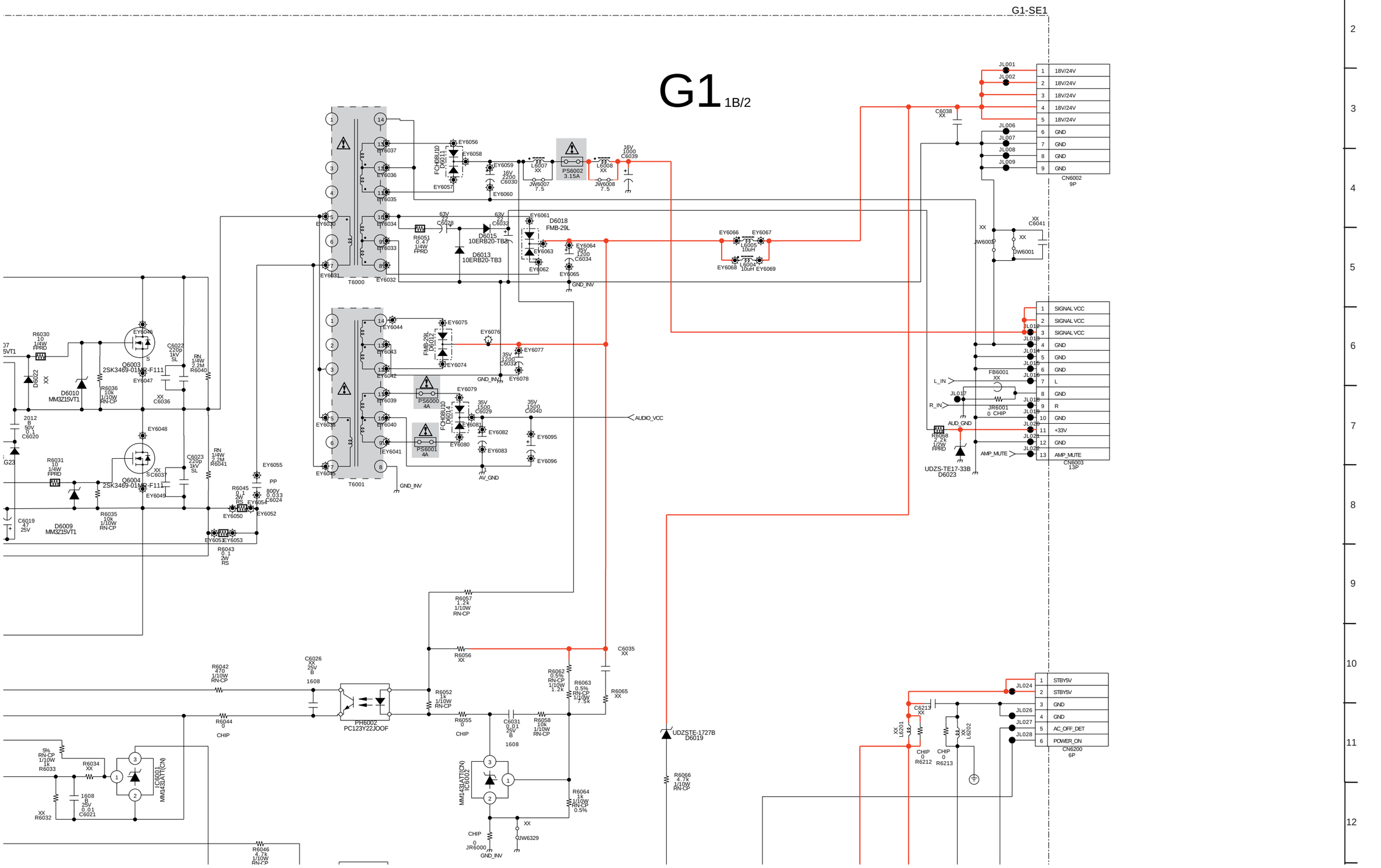
G1 1A/2 POWER SUPPLY



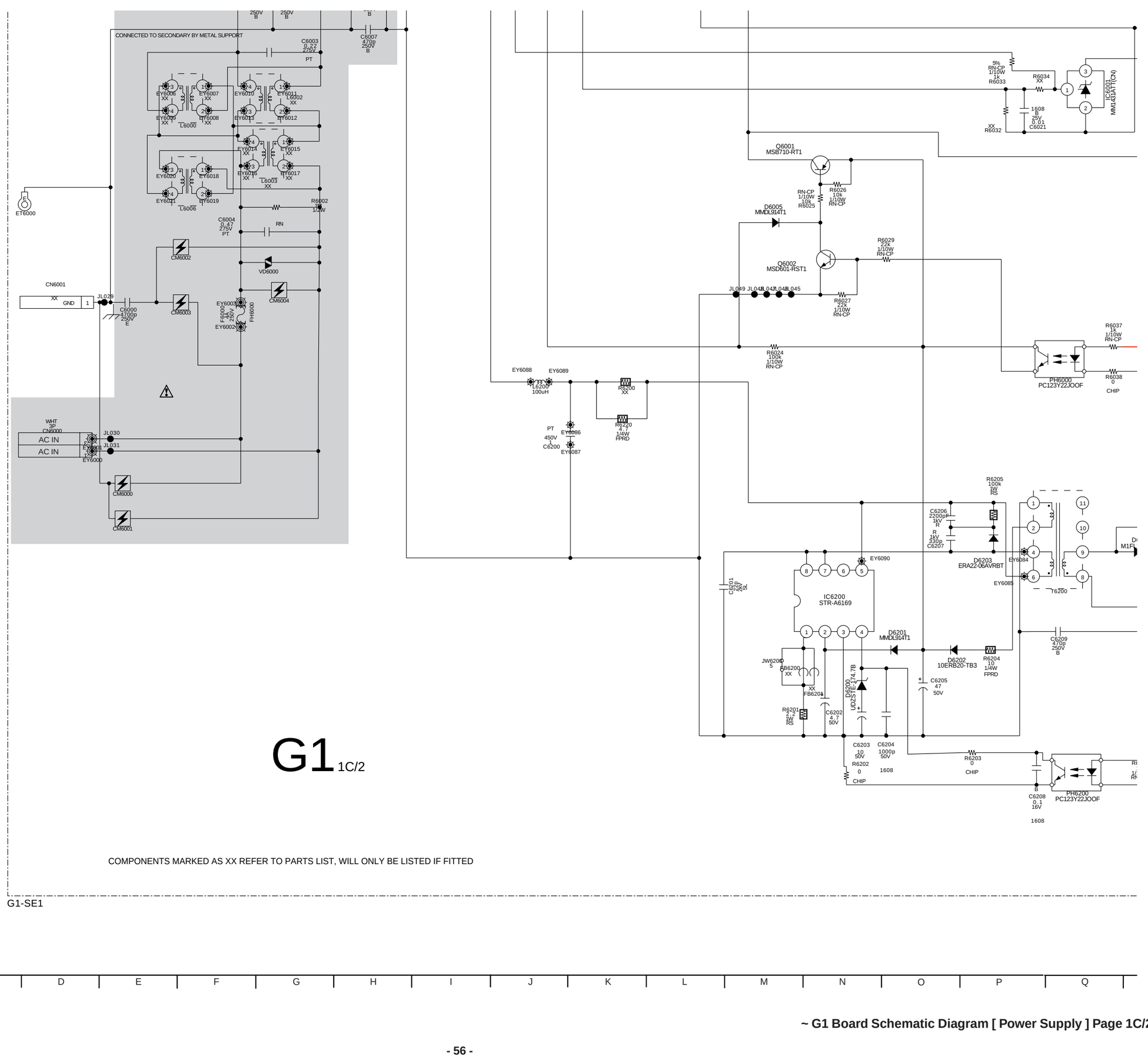
~ G1 Board Schematic Diagram [Power Supply] Page 1A/2 ~

G1-SE1

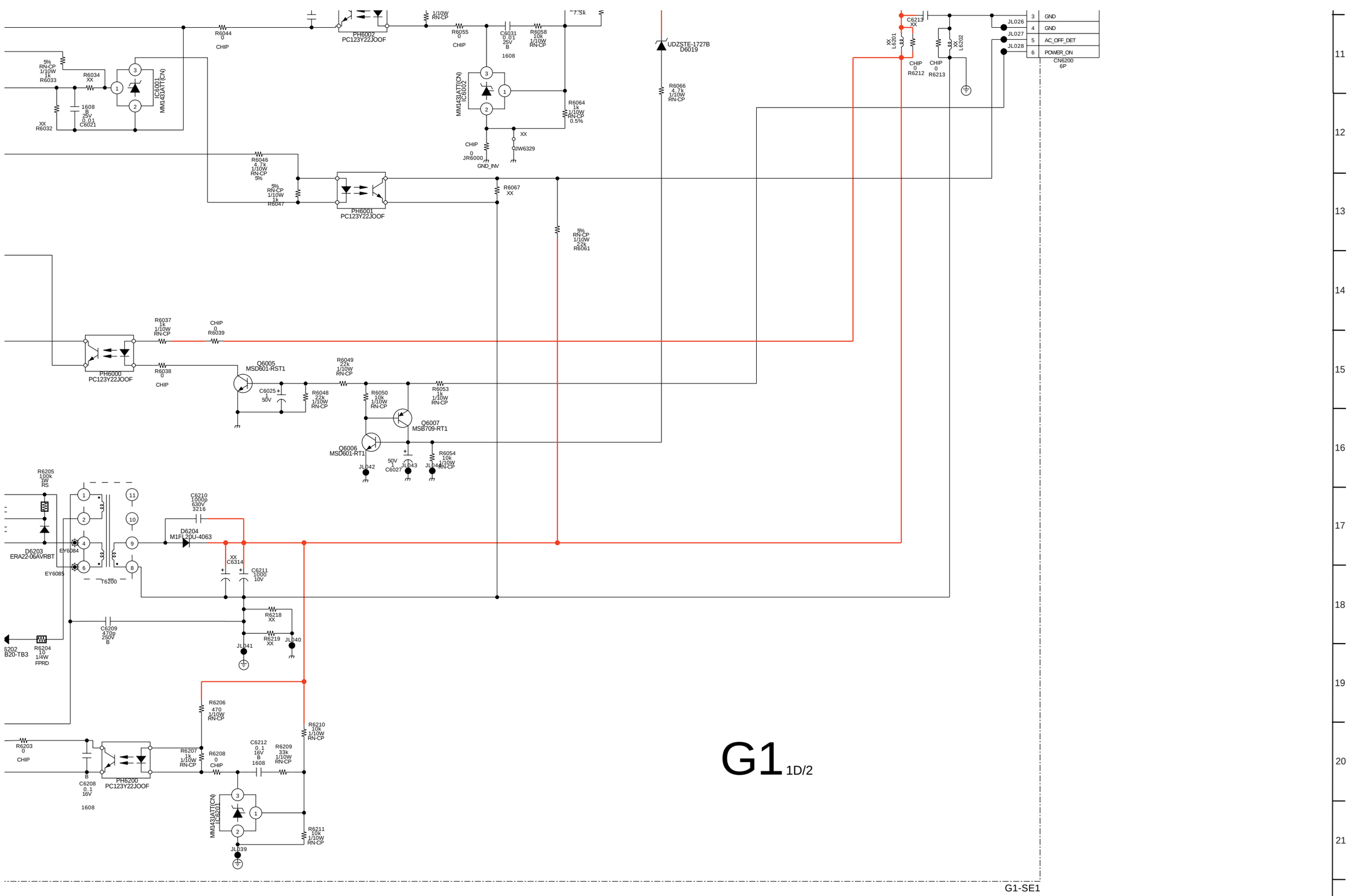
G1 1B/2



~ G1 Board Schematic Diagram [Power Supply] Page 1B/2 ~



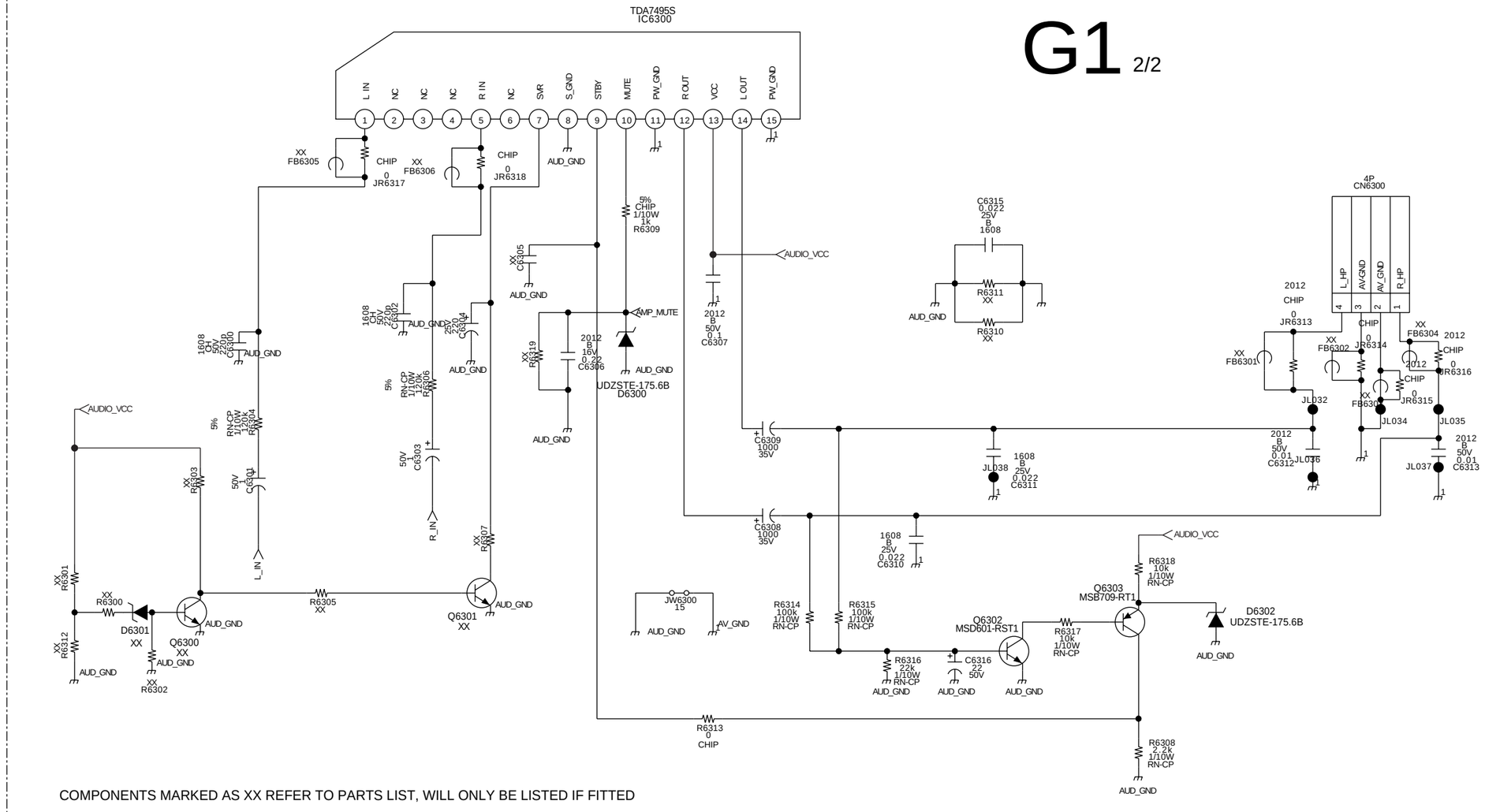
~ G1 Board Schematic Diagram [Power Supply] Page 1C/2 ~



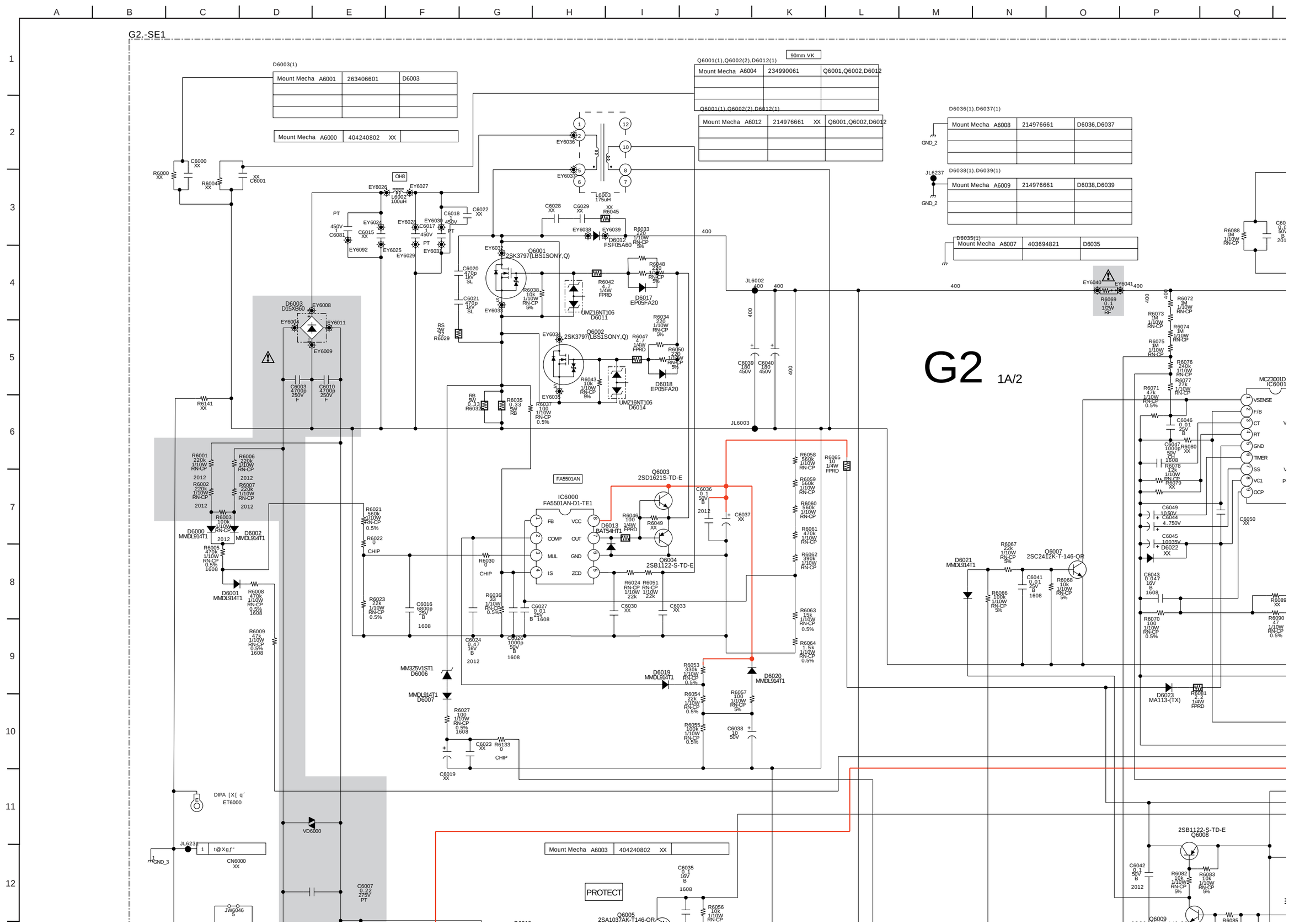
~ G1 Board Schematic Diagram [Power Supply] Page 1D/2 ~

G1-SE1

G1 2/2



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED



~ G2 Board Schematic Diagram [Power Supply] Page 1A/2 ~

G2.-SE1

G2 1B/2

Q6014(1),Q6013(1)

Mount Mecha A6005	234990031	Q6014,Q6013

D6040(1)

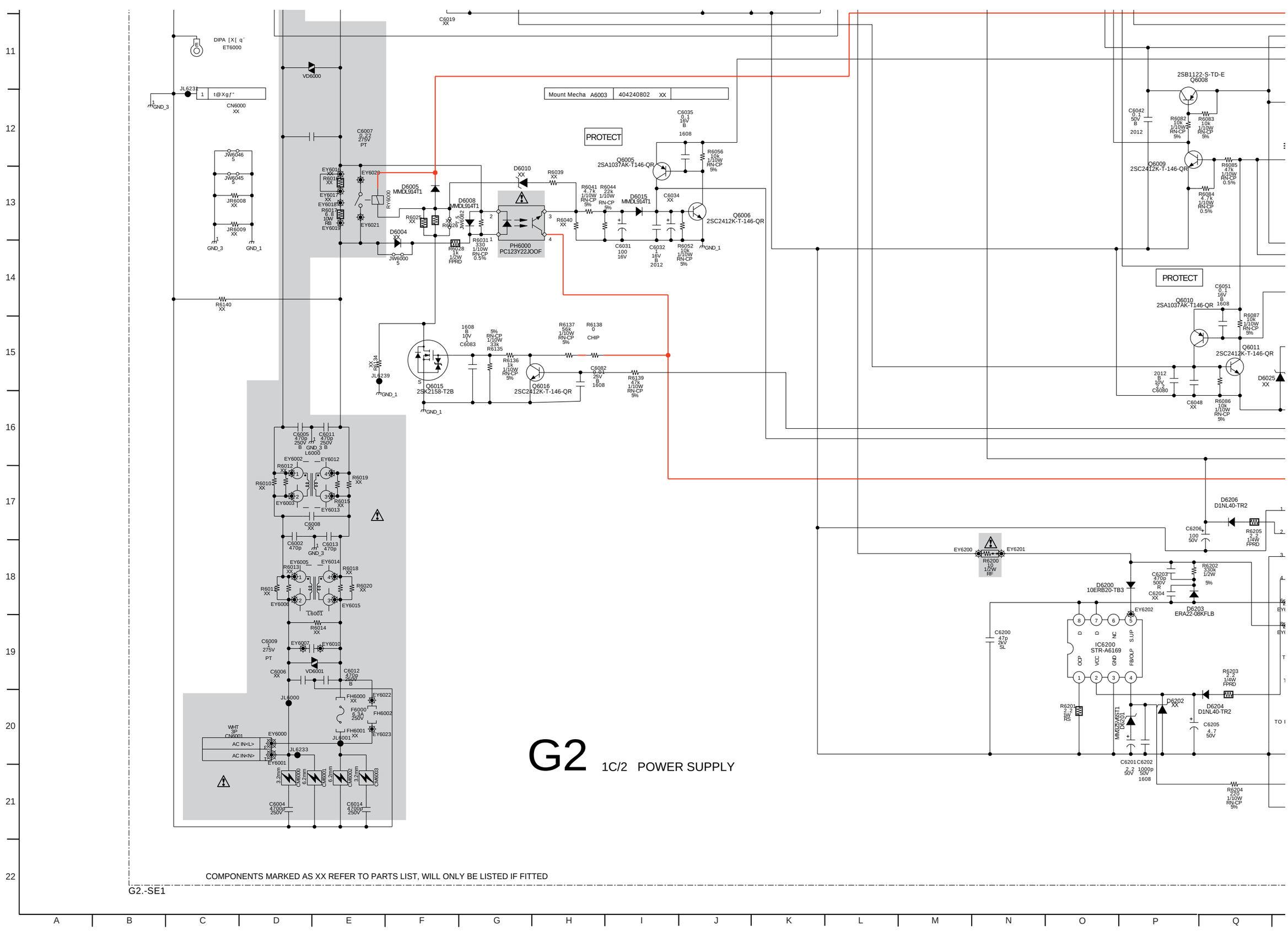
Mount Mecha A6006	407727701	D6040

MAIN FB

POWER ON

AC OFF DET

MM1431ATT(NEW)



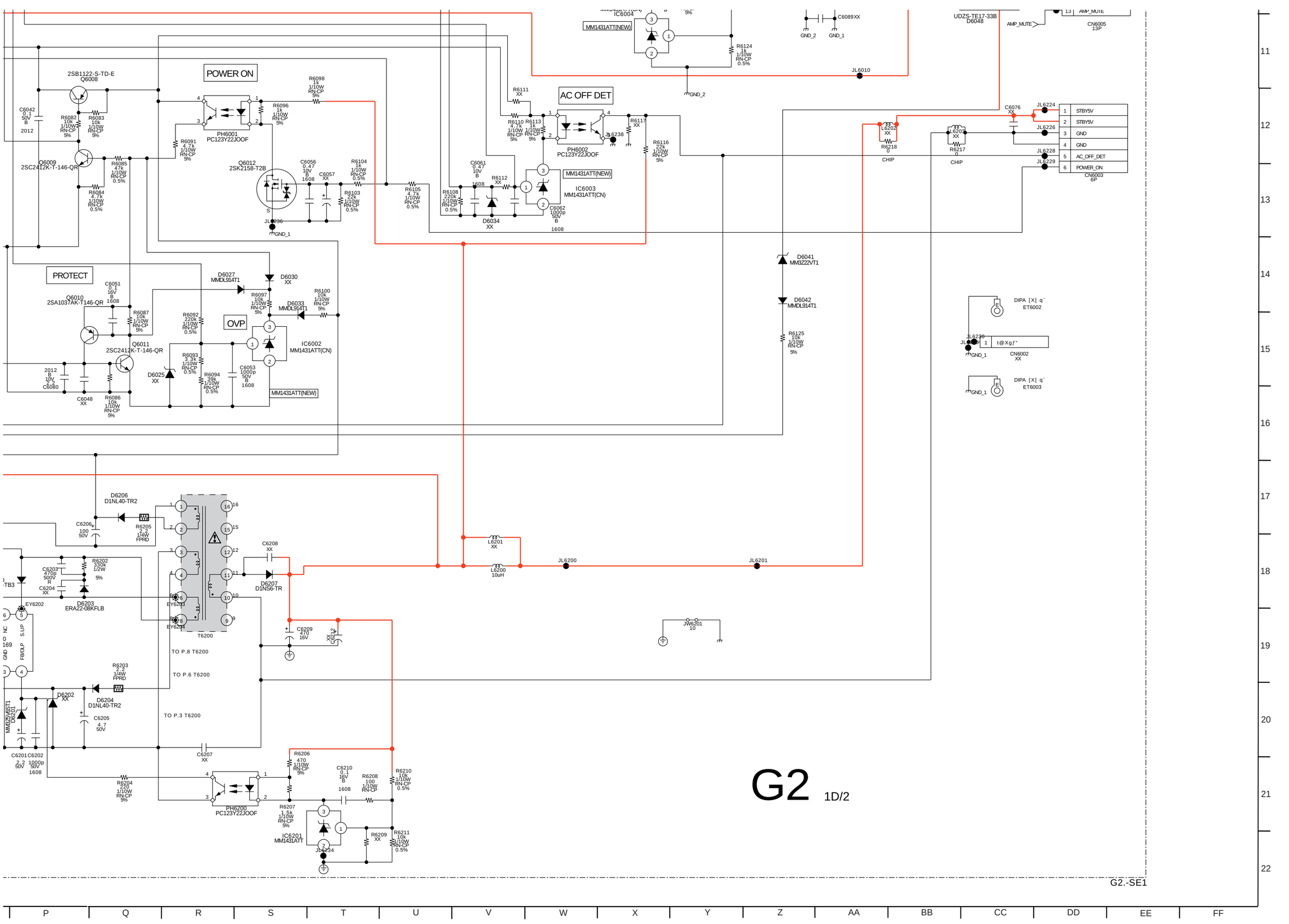
G2

1C/2 POWER SUPPLY

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

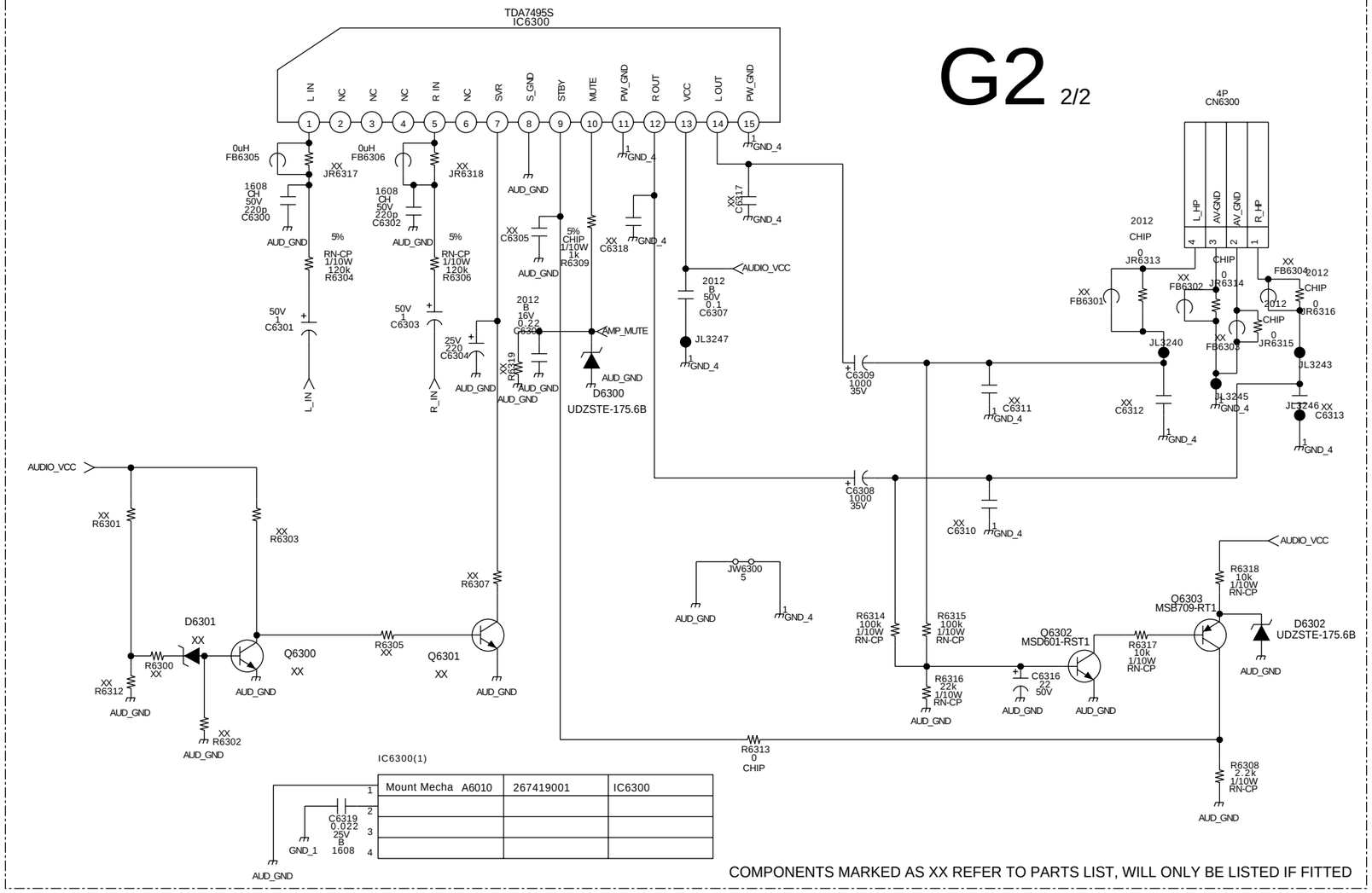
G2.-SE1

~ G2 Board Schematic Diagram [Power Supply] Page 1C/2 ~


POWER ON
PROTECT
AC OFF DET
OVP
2SB1122-S-TD-E
Q6008
2SC2412K-T-146-QR
Q6009
2SA1037AK-T146-QR
Q6010
Q6011
2SC2412K-T-146-QR
Q6012
2SK2158-T2B
PH6001
PC123Y22JOOF
PH6002
PC123Y22JOOF
PH6200
PC123Y22JOOF
IC6003
MM1431ATT(CN)
IC6002
MM1431ATT(CN)
IC6004
MM1431ATT(NEW)
IC6201
MM1431ATT
D6206
D1NL40-TR2
D6207
D1NS6-TR
D6203
ERA22-08KFLB
D6204
D1NL40-TR2
D6202
D6027
MMDL914T1
D6030
D6033
MMDL914T1
D6025
D6034
D6041
MM3Z22VT1
D6042
MMDL914T1
UDZS-TE17-33B
D6048
T6200
JL6010
JL6200
JL6201
JL6234
JL6236
JL6238
JW6201
GND_1
GND_2
AMP_MUTE
CN6005
13P
CN6003
6P
CN6002
CHIP
STBYSV
GND
AC_OFF_DET
POWER_ON
DIPA [X[q´
ET6002
ET6003
TO P.8 T6200
TO P.6 T6200
TO P.3 T6200
G2 1D/2
G2.-SE1

G2.-SE1

G2 2/2

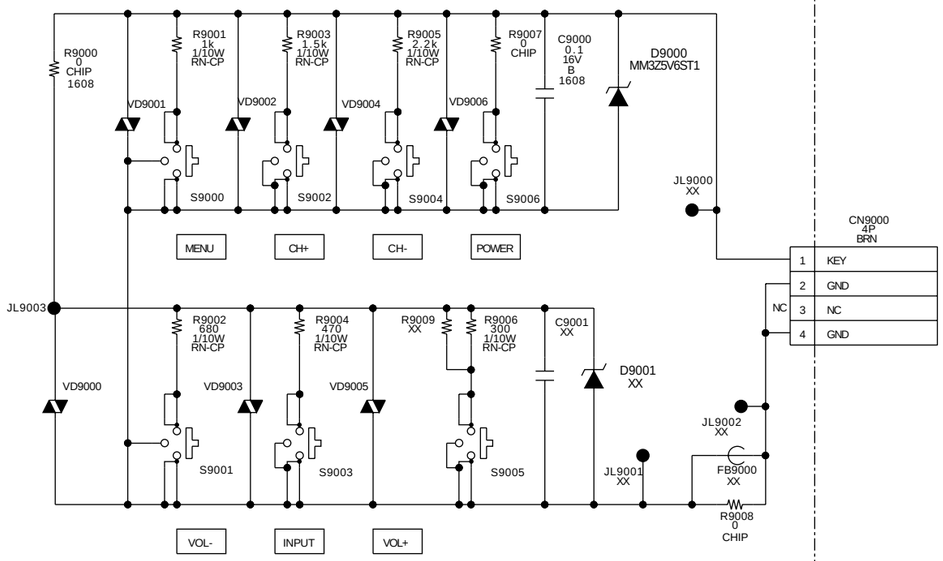


COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ G2 Board Schematic Diagram [Power Supply] Page 2/2 ~

H1/H1P.-SE1

H1/H1P SWITCH PANEL

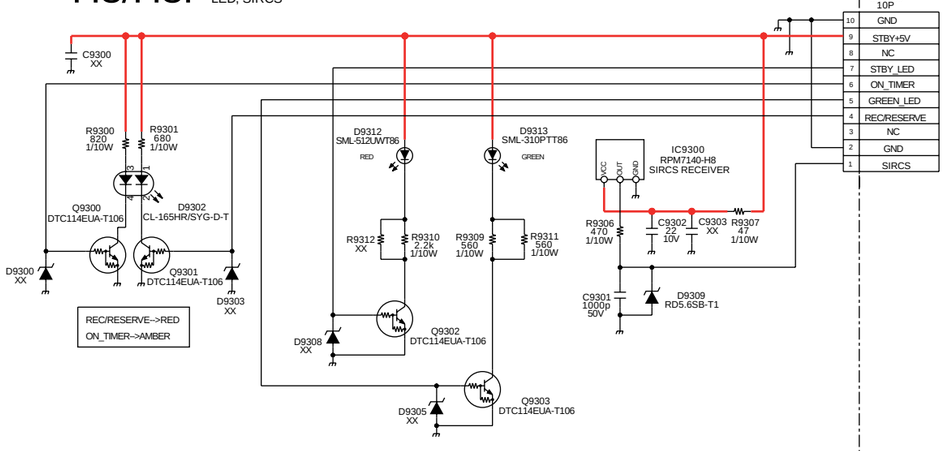


COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ H1/H1P Board Schematic Diagram [Switch Panel] ~

H3/H3P.-SE1

H3/H3P LED, SIRCS

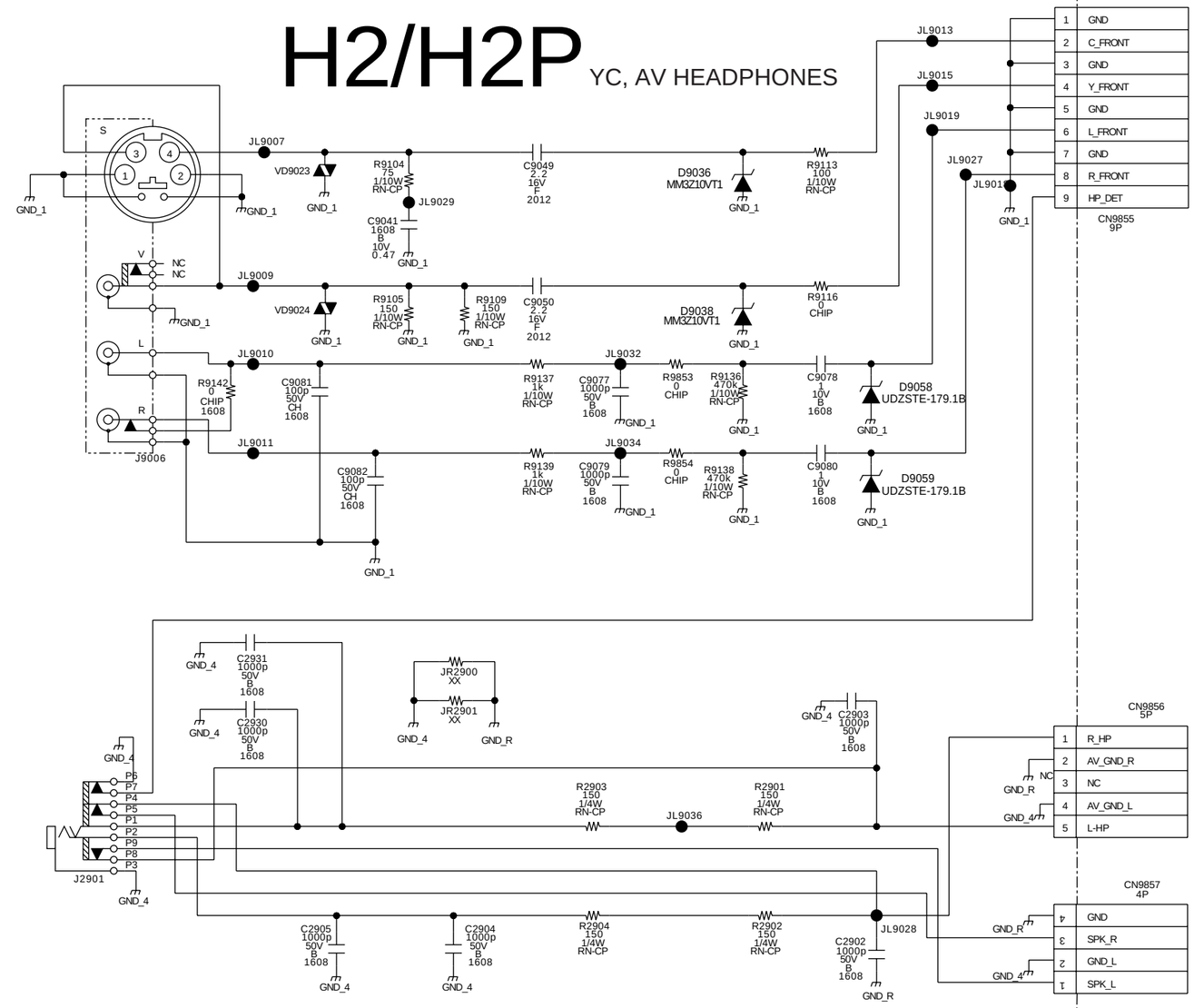


COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ H3/H3P Board Schematic Diagram [LED, SIRCS] ~

H2/H2P.-SE1

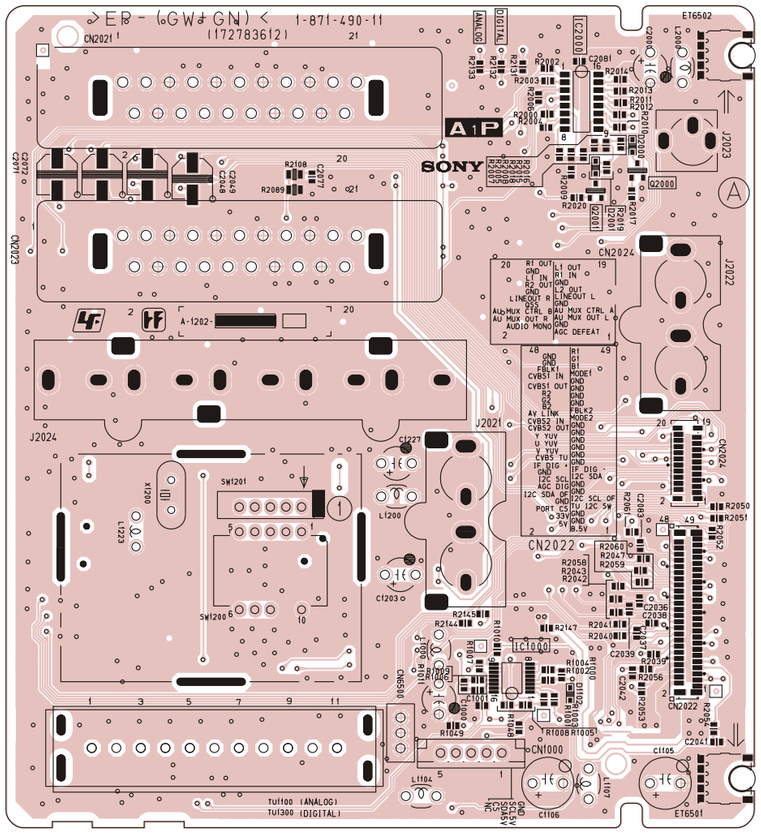
H2/H2P YC, AV HEADPHONES



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ H2/H2P Board Schematic Diagram [YC, AV Headphones] ~

~ A1/A1P Printed Wiring Board Conductor Side A ~



~ A1/A1P Board IC Voltage Table ~

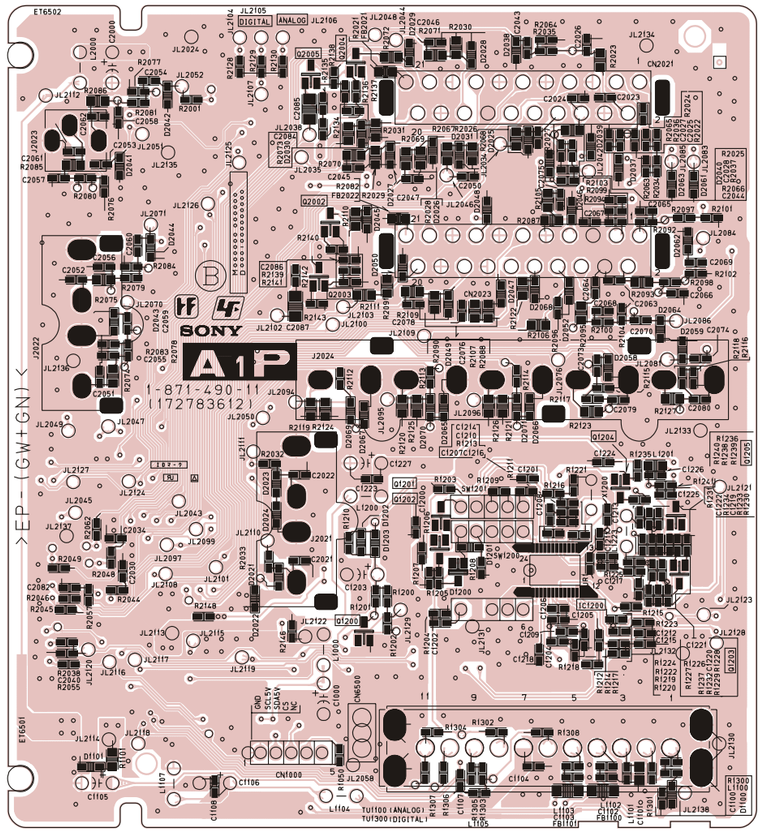
Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
IC1000	1	3.7	IC1000	13-15	3.6	IC2000	8	4.2
	2	3.2		16	5.0		9	8.5
	3-4	2.3	IC2000	1-5	0		10	4.3
	5-8	0		6	4.2		11-15	0
	9-12	3.2		7	0		16	8.5

~ A1/A1P Board Semiconductor Voltage Table ~

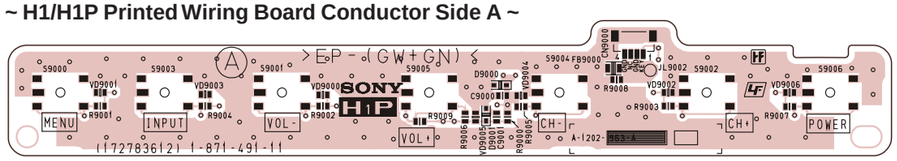
Ref	(e)(s)	(b)(g)	(c)(d)
Q2000	0	0.4	8.4
Q2001	0	0.7	0

Text Search

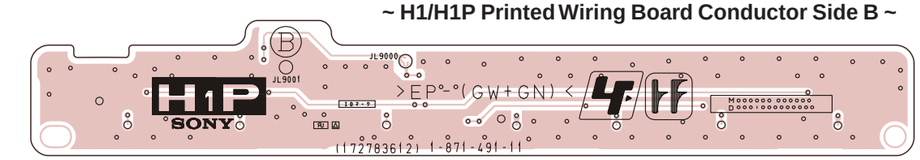
~ A1/A1P Printed Wiring Board Conductor Side B ~



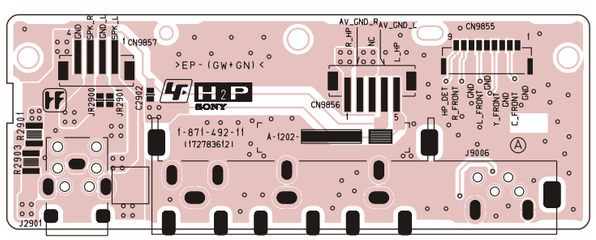
~ H1/H1P Printed Wiring Board Conductor Side A ~



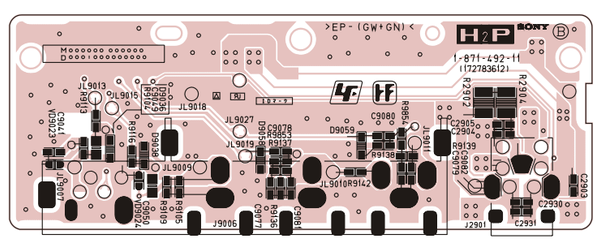
~ H1/H1P Printed Wiring Board Conductor Side B ~



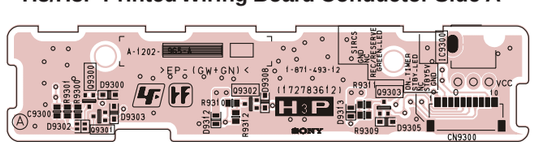
~ H2/H2P Printed Wiring Board Conductor Side A ~



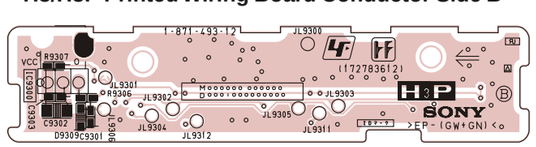
~ H2/H2P Printed Wiring Board Conductor Side B ~

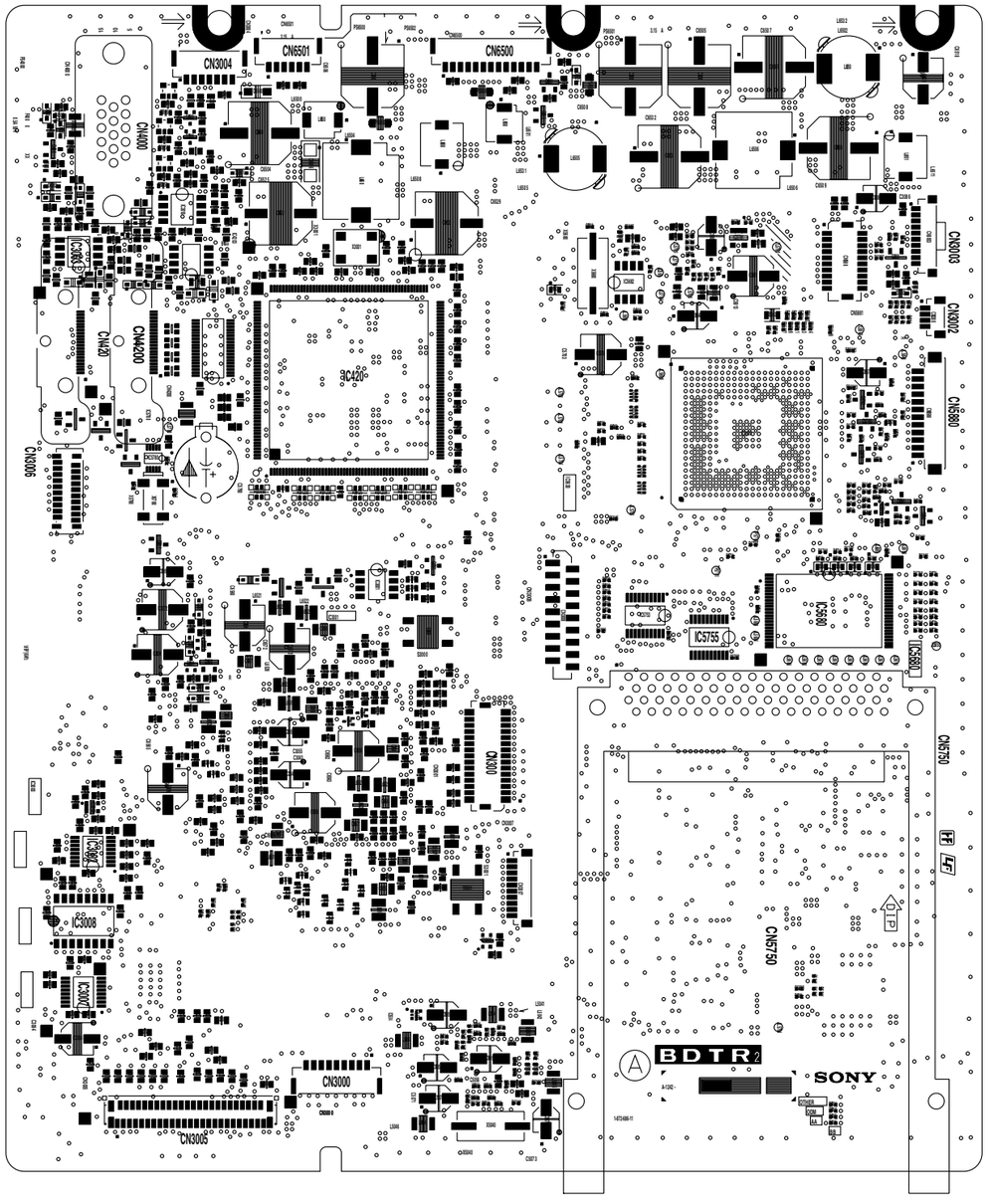


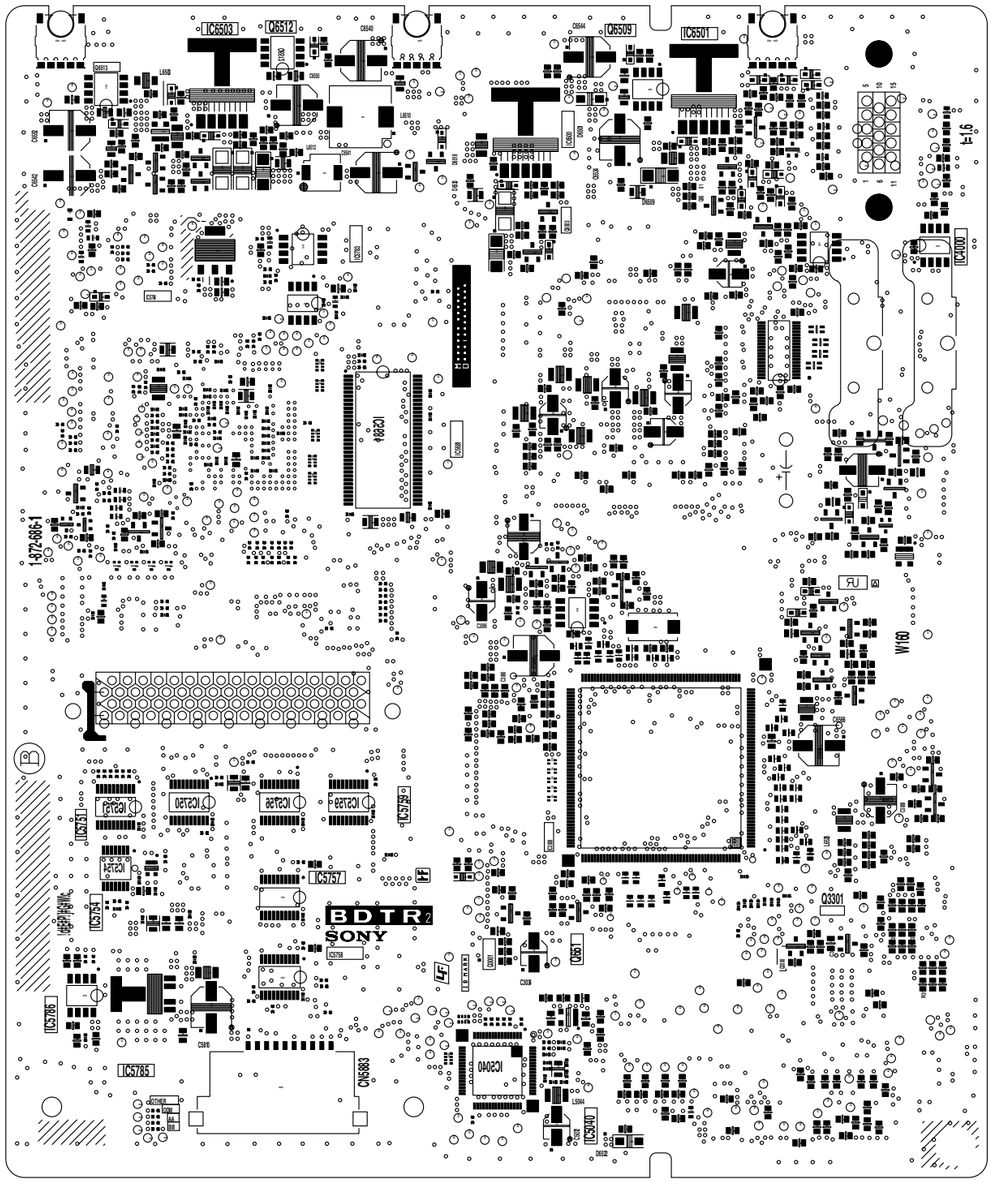
~ H3/H3P Printed Wiring Board Conductor Side A ~



~ H3/H3P Printed Wiring Board Conductor Side B ~





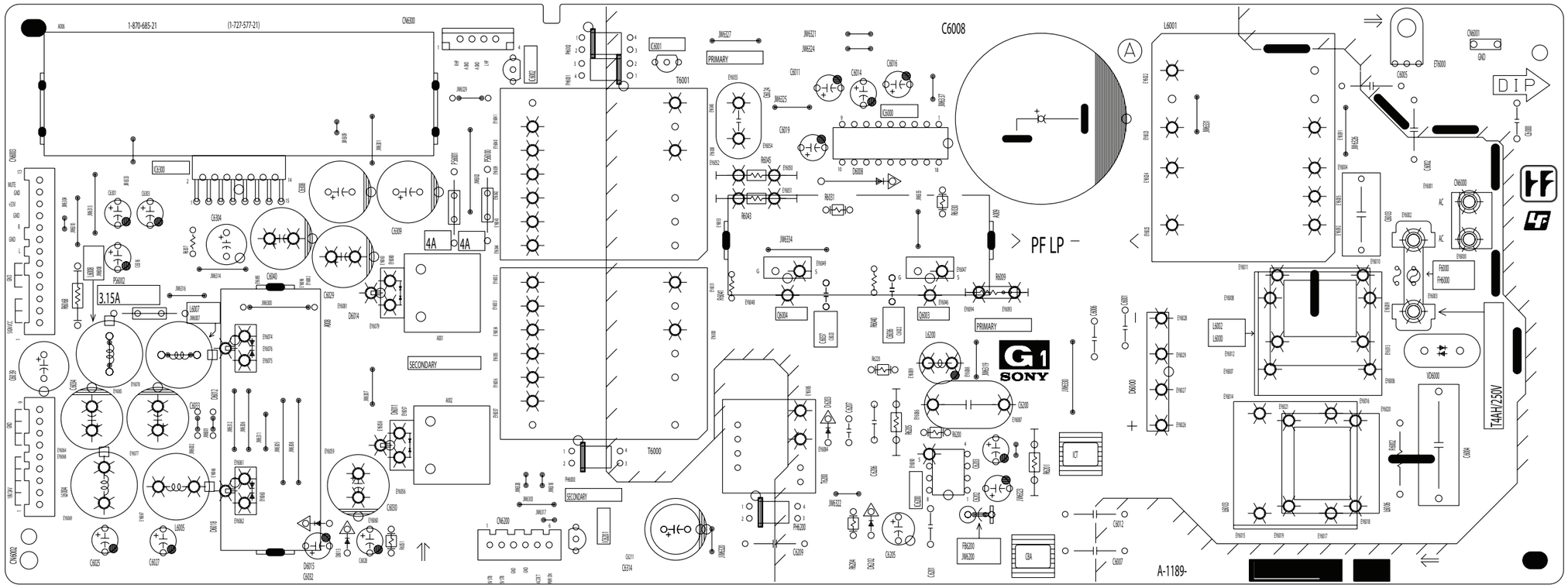


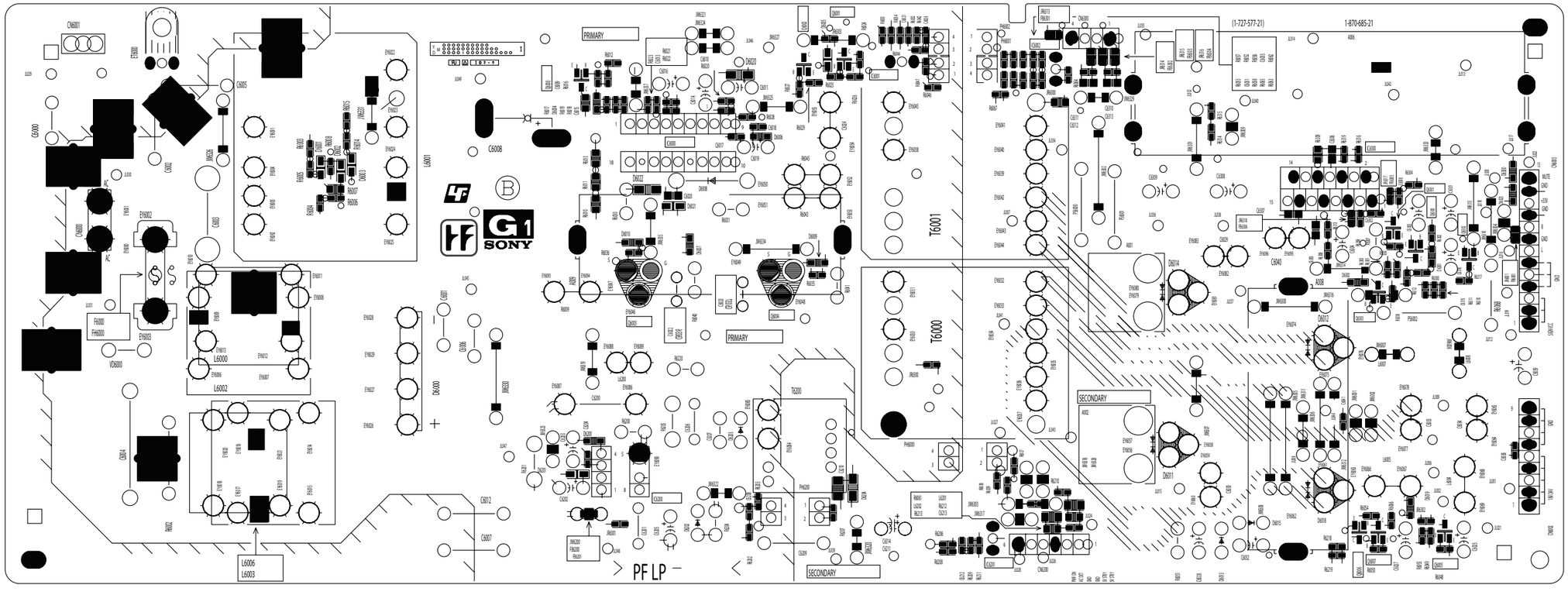
Text Search

~ BDTR-2 Board IC Voltage Table ~

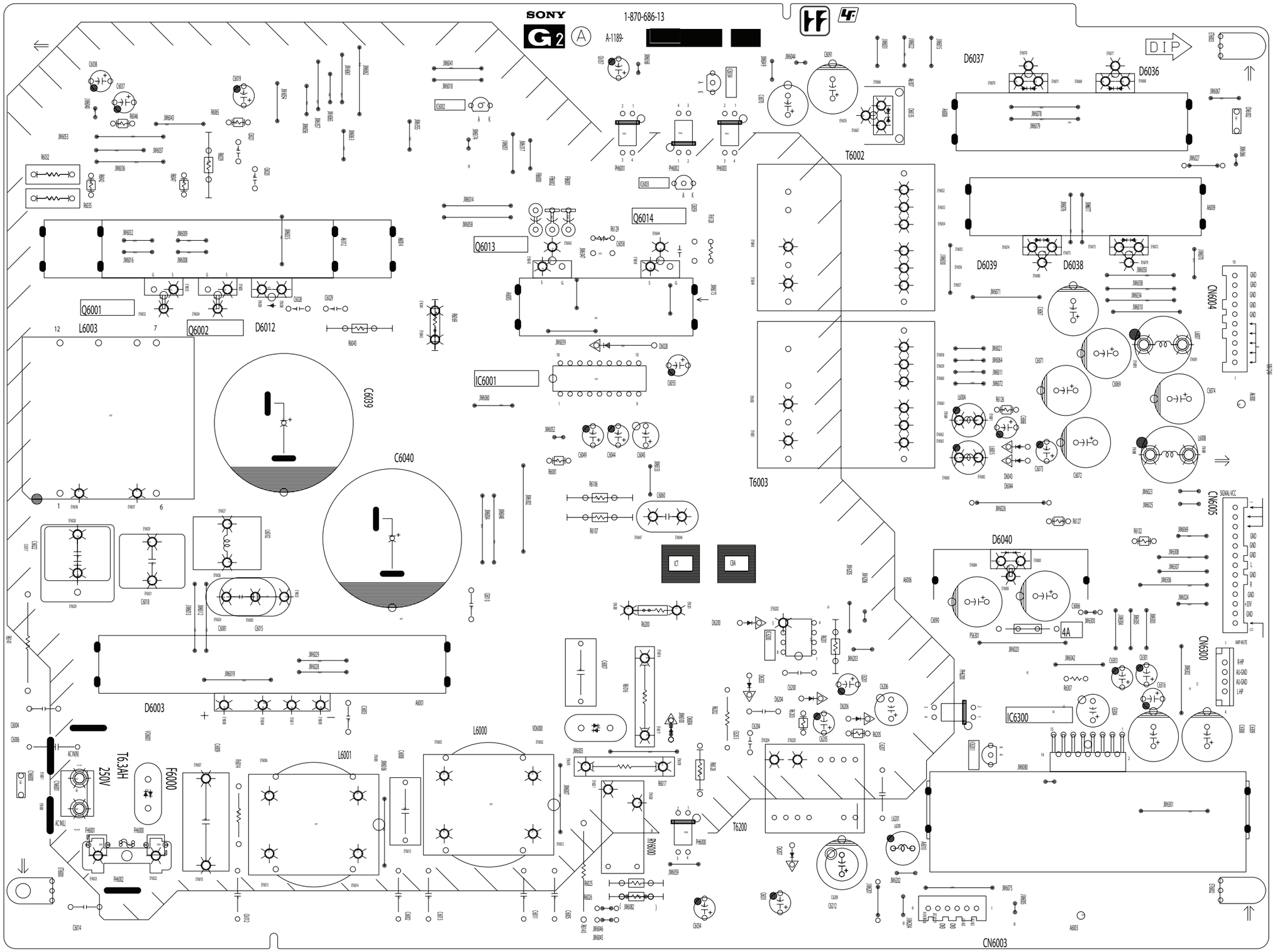
Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
IC3001	1	3.3	IC3001	5	3.3	IC3002	6-8	0	IC3002	13	0.3	IC3008	1	0	IC3008	5	2.8	IC3008	10	2.8	IC3008	16	5.0	IC5682	4	0
	2	1.6		6	1.6		9-10	0.4		14	3.2		2	4.6		6-7	0.4		11-13	0		1	1.4		5	1.7
	3	3.2		7-8	3.3		11	0		15	2.4		3	0.4		8	0		14	3.7	IC5682	2	0		6-7	3.2
	4	0	IC3002	1-5	2.4		12	3.2		16	4.9		4	4.6		9	4.9		15	3.8		3	1.6		8	1.4

~ BDTR-2 Printed Wiring Board ~



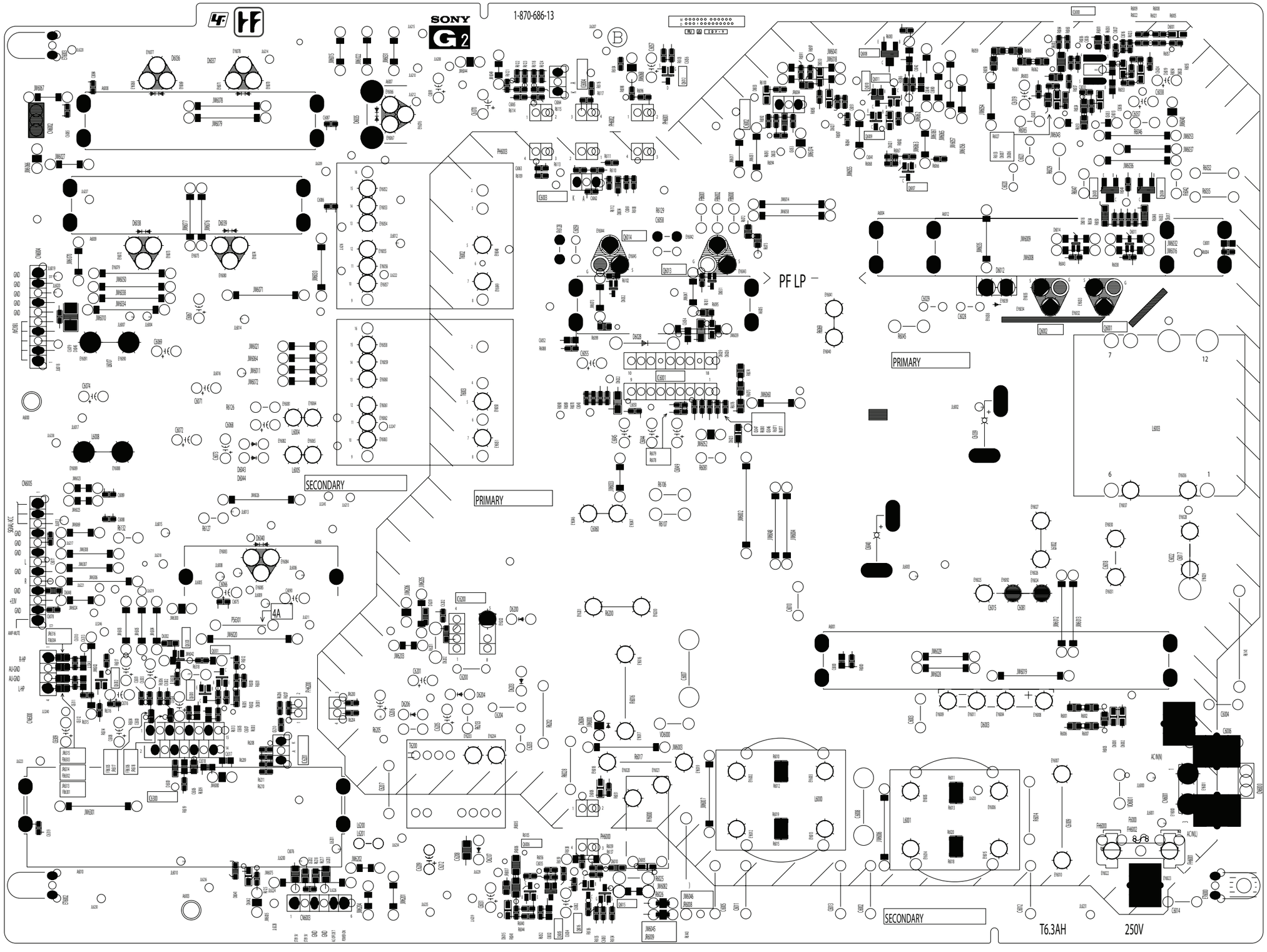


~ G1 Printed Wiring Board ~



Text Search

~ G2 Printed Wiring Board Side A ~



Text Search

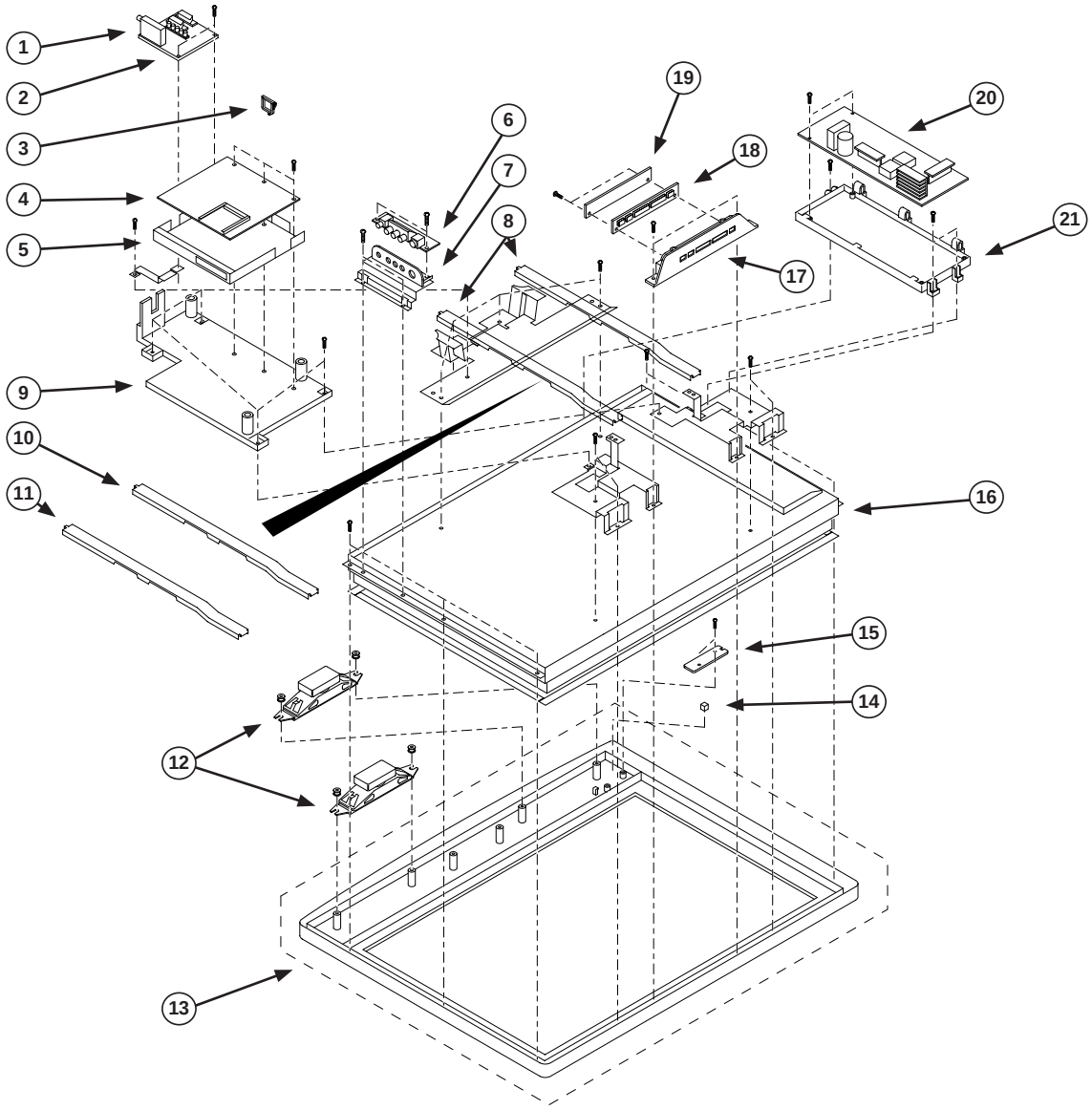
~ G2 Printed Wiring Board Side B ~

SECTION 5
EXPLODED VIEWS

NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

5-1. CHASSIS

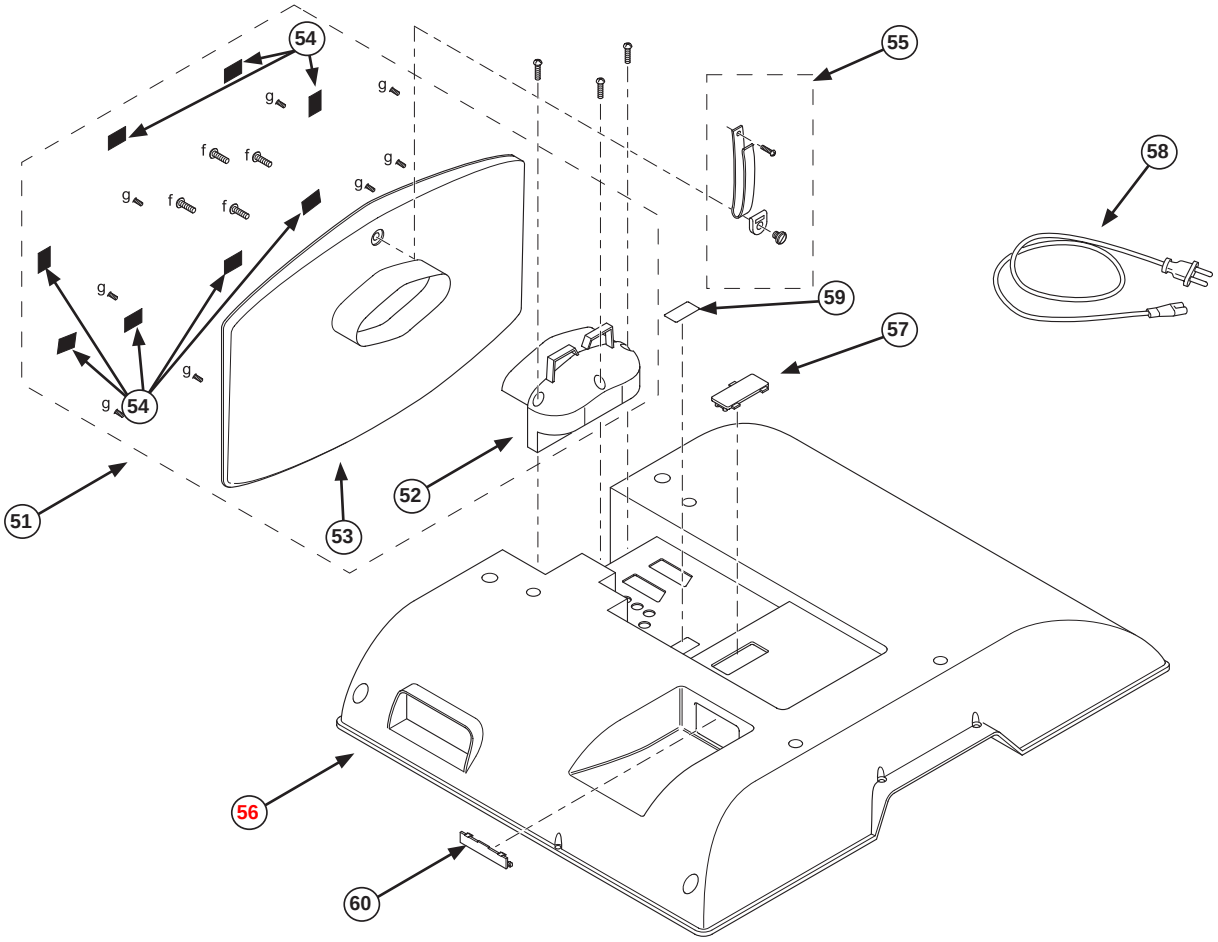


REF.NO.	PART.NO	DESCRIPTION	REMARK
1	8-597-585-10	TUNER, FSS BTP-HC401	
2	*A-1247-112-A	A1 BOARD, COMPLETE (SE1T)	(32 inches)
	*A-1247-116-A	A1P BOARD, COMPLETE (SE1T)	(40 inches)
3	1-469-778-11	CLAMP, FERRITE	(32 inches)
	1-469-778-21	CLAMP, FERRITE	(40 inches)
4	*A-1242-773-A	BDTR-2 BOARD, COMPLETE	
5	*2-674-192-03	BRACKET, TERMINAL SIDE	
6	*A-1189-409-A	H2 BOARD, COMPLETE	(32 inches)
	*A-1202-964-A	H2P BOARD, COMPLETE	(40 inches)
7	2-674-302-02	HOLDER, SIDE JACK	(32 inches)
	2-679-989-01	HOLDER, SIDE JACK	(40 inches)
8	2-674-183-01	VESA BRACKET	(32 inches)
9	*2-679-993-06	BRACKET A, DIGITAL	
10	X-2109-058-3	VESA BRACKET(40)L ASSY	(40 inches)
11	X-2109-059-3	VESA BRACKET(40)R ASSY	(40 inches)
12	1-826-479-11	LOUDSPEAKER (4.2X15CM)	(32 inches)
	1-826-478-11	LOUDSPEAKER (4.2X24CM)	(40 inches)
13	X-2109-674-4	BEZEL ASSY	(32 inches)
	X-2109-938-4	BEZEL ASSY	(40 inches)
14	2-674-189-02	GUIDE LIGHT	
15	*A-1247-113-A	H3 BOARD(SE1T), COMPLETE	(32 inches)
	*A-1247-117-A	H3P BOARD(SE1T), COMPLETE	(40 inches)
16	1-802-237-21	LCD PANEL (WXGA TFT)	(32 inches)
	1-802-386-11	LCD PANEL (WXGA TFT)	(40 inches)
17	2-674-196-02	COVER, BUTTON	
18	2-674-197-01	BUTTON, MULTI	
19	*A-1189-408-A	H1 BOARD, COMPLETE	(32 inches)
	*A-1202-963-A	H1P BOARD, COMPLETE	(40 inches)
20	*A-1189-415-A	G1 BOARD, COMPLETE	(32 inches)
	*A-1189-416-A	G2 BOARD, COMPLETE	(40 inches)
21	*2-674-181-11	BRACKET, G1	(32 inches)
	*2-674-180-01	BRACKET, G2	(40 inches)

5-2. REAR COVER & BEZEL

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.



f 2-580-640-01 SCREW, +KTP2 3X8
g 2-580-644-01 SCREW, +PSW M5X8 (32 inches)
2-580-647-01 SCREW, +PSW M5X12 (40 inches)

REF.NO.		PART.NO	DESCRIPTION	REMARK
51		*X-2148-515-3	STAND (M) ASSY 32 52-56	(32 inches)
		*X-2149-389-3	STAND (L) ASSY 40 52-56	(40 inches)
52		*2-674-301-31	NECK, STAND (32)	(32 inches)
		*2-674-301-22	NECK, STAND (40)	(40 inches)
53		2-674-194-13	COVER, STAND (M)	(32 inches)
		2-674-314-01	COVER, STAND (L)	(40 inches)
54		4-100-951-02	FOOT, STAND	
55		*X-2102-511-1	BAG ASSY, RUDDER LOCK	58-61
56		2-674-191-41	COVER, REAR (32)	(32 inches)
		X-2187-395-1	COVER, REAR ASSY	(40 inches)
57		2-021-173-12	COVER, ECS (20)	
58	⚠	1-832-132-11	POWER SUPPLY CORD	
59		2-667-973-02	COVER, SERVICE (C)	
60		2-667-975-01	COVER, PCMCIA	

SECTION 6
ELECTRICAL PARTS LIST

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REMOTE COMMANDER:	.....	97

Note : Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

*A-1189-416-A G2 Board Complete (40 inches only)

REF.NO.		PART.NO	DESCRIPTION			
			< CAPACITOR >			
		4-382-854-11	SCREW (M3X10), P, SW (+)			
C6002	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6003	⚠	1-161-964-91	CERAMIC	0.0047UF		250V
C6004	⚠	1-113-924-11	CERAMIC	0.0047UF	20.00%	250V
C6005	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6007	⚠	1-165-529-11	MYLAR	0.22UF	10	275V
C6009	⚠	1-165-531-11	MYLAR	1UF	10	275V
C6010	⚠	1-161-964-91	CERAMIC	0.0047UF		250V
C6011	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6012	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6013	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6014	⚠	1-113-924-11	CERAMIC	0.0047UF	20.00%	250V
C6016		1-162-969-11	CERAMIC CHIP	0.0068UF	10.00%	25V
C6017		1-117-227-11	MYLAR	1UF	10.00%	450V
C6018		1-117-227-11	MYLAR	1UF	10.00%	450V
C6020		1-100-613-81	CERAMIC	470PF	5%	1KV
C6021		1-100-613-81	CERAMIC	470PF	5%	1KV
C6024		1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V
C6026		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6027		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6031		1-107-882-91	ELECT	100UF	20%	16V
C6032		1-127-573-11	CERAMIC CHIP	1UF	10%	16V
C6035		1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6036		1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6038		1-107-906-11	ELECT	10UF	20%	50V
C6039		1-135-361-11	ELECT(BLOCK)	180UF	20%	450V
C6040		1-135-361-11	ELECT(BLOCK)	180UF	20%	450V
C6041		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6042		1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6043		1-165-176-11	CERAMIC CHIP	0.047UF	10.00%	16V
C6044		1-107-905-11	ELECT	4.7UF	20%	50V
C6045		1-107-910-11	ELECT	100UF	20%	50V
C6046		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6047		1-100-831-91	CERAMIC CHIP	0.001UF	2%	50V
C6049		1-107-906-11	ELECT	10UF	20%	50V
C6051		1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6052		1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C6053		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6054		1-115-340-11	CERAMIC CHIP	0.22UF	10.00%	25V
C6055		1-107-888-11	ELECT	47UF	20%	25V
C6056		1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C6059		1-100-613-81	CERAMIC	470PF	5%	1KV
C6060		1-100-310-11	FILM	18000PF	3%	800V
C6061		1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	10V
C6062		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6064		1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C6066		1-128-960-31	ELECT	1500UF	20%	35V
C6067		1-112-242-21	ELECT	1500UF	20%	25V
C6068		1-107-928-11	ELECT	4.7UF	20%	100V
C6069		1-112-242-21	ELECT	1500UF	20%	25V
C6070		1-112-229-21	ELECT	1500UF	20%	16V
C6071		1-112-242-21	ELECT	1500UF	20%	25V
C6073		1-107-907-11	ELECT	22UF	20%	50V
C6080		1-125-889-11	CERAMIC CHIP	2.2UF	10%	10V
C6081		1-112-744-61	MYLAR	1UF	10%	450V
C6082		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6083		1-165-908-11	CERAMIC CHIP	1UF	10%	10V
C6090		1-128-960-31	ELECT	1500UF	20%	35V
C6091		1-128-951-21	ELECT	2200UF	20%	16V
C6200		1-107-974-11	CERAMIC	47PF	5.00%	2KV
C6201		1-107-903-11	ELECT	2.2UF	20%	50V
C6202		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6203		1-165-127-11	CERAMIC	470PF	10.00%	500V
C6205		1-107-905-11	ELECT	4.7UF	20%	50V
C6206		1-107-910-11	ELECT	100UF	20%	50V
C6209		1-165-729-31	ELECT	470UF	20%	16V
C6210		1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6300		1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C6301		1-126-960-11	ELECT	1UF	20.00%	50V
C6302		1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C6303		1-126-960-11	ELECT	1UF	20.00%	50V
C6304		1-104-666-11	ELECT	220UF	20.00%	25V
C6306		1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C6307		1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6308		1-126-952-11	ELECT	1000UF	20.00%	35V
C6309		1-126-952-11	ELECT	1000UF	20.00%	35V
C6316		1-107-907-11	ELECT	22UF	20%	50V
C6319		1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
			< CONNECTOR >			
CN6001	⚠ *	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN6003	*	1-785-703-21	PIN, CONNECTOR (PC BOARD) 6P			
CN6004	*	1-785-706-11	PIN, CONNECTOR (PC BOARD) 10P			
CN6005	*	1-793-235-11	PIN, CONNECTOR (PC BOARD) 13P			
CN6300	*	1-564-507-11	PLUG, CONNECTOR 4P			
			< DIODE >			
D6000		8-719-081-97	DIODE MMDL914T1			
D6001		8-719-081-97	DIODE MMDL914T1			
D6002		8-719-081-97	DIODE MMDL914T1			
D6003		8-719-054-89	DIODE D15XB60			
D6005		8-719-081-97	DIODE MMDL914T1			
D6006		8-719-976-99	DIODE DTZ5.1B			
D6007		8-719-081-97	DIODE MMDL914T1			
D6008		8-719-081-97	DIODE MMDL914T1			
D6011		6-501-043-01	DIODE UMZ16NT106			

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

G2

REF.NO.		PART.NO	DESCRIPTION	REMARK
D6012		8-719-054-59	DIODE FSF05A60	
D6013		6-500-137-01	DIODE BAT54HT1	
D6014		6-501-043-01	DIODE UMZ16NT106	
D6015		8-719-081-97	DIODE MMDL914T1	
D6017		6-500-108-01	DIODE EP05FA20	
D6018		6-500-108-01	DIODE EP05FA20	
D6019		8-719-081-97	DIODE MMDL914T1	
D6020		8-719-081-97	DIODE MMDL914T1	
D6021		8-719-081-97	DIODE MMDL914T1	
D6023		8-719-041-97	DIODE MA113-(TX)	
D6027		8-719-081-97	DIODE MMDL914T1	
D6028		8-719-979-64	DIODE UF4005/23	
D6031		6-501-043-01	DIODE UMZ16NT106	
D6032		6-501-043-01	DIODE UMZ16NT106	
D6033		8-719-081-97	DIODE MMDL914T1	
D6035		8-719-057-96	DIODE D10SC6M-4012	
D6036		8-719-057-96	DIODE D10SC6M-4012	
D6037		8-719-057-96	DIODE D10SC6M-4012	
D6038		8-719-057-96	DIODE D10SC6M-4012	
D6039		8-719-057-96	DIODE D10SC6M-4012	
D6040		6-501-505-01	DIODE FCH08U10	
D6041		8-719-082-04	DIODE MM3Z22VT1	
D6042		8-719-081-97	DIODE MMDL914T1	
D6043		6-500-567-31	DIODE 10ERB20-TB3	
D6044		6-500-567-31	DIODE 10ERB20-TB3	
D6048		8-719-083-87	DIODE UDZSNPTE-1733B	
D6200		6-500-567-31	DIODE 10ERB20-TB3	
D6201		8-719-036-94	DIODE RD5.6SB-T1	
D6203		6-500-849-01	DIODE ERA22-08KFLB	
D6203		6-501-297-01	DIODE 1F6G	
D6204		8-719-052-90	DIODE D1NL40-TA2	
D6206		8-719-052-90	DIODE D1NL40-TA2	
D6207		8-719-032-12	DIODE D1NS6	
D6300		8-719-069-55	DIODE UDZSNPTE-175.6B	
D6302		8-719-069-55	DIODE UDZSNPTE-175.6B	
ET6000		1-537-770-21	TERMINAL BOARD, GROUND	
ET6002		1-537-770-21	TERMINAL BOARD, GROUND	
ET6003		1-537-770-21	TERMINAL BOARD, GROUND	
			< FUSE >	
F6000		1-576-233-51	FUSE 6.3A	250V
FH6002		1-533-725-21	FUSE HOLDER 6.3A	250V
			< FERRITE BEAD >	
FB6001		1-410-396-41	FERRITE 0.45UH	
FB6002		1-410-396-41	FERRITE 0.45UH	
FB6305		1-414-760-21	FERRITE 0UH	
FB6306		1-414-760-21	FERRITE 0UH	

REF.NO.		PART.NO	DESCRIPTION	REMARK
			< IC >	
IC6000		6-709-192-01	IC FA5501AN-D1-TE1	
IC6001		6-705-810-01	IC MCZ3001DB	
IC6002		6-709-368-01	IC MM1431ATT (CN)	
IC6003		6-709-368-01	IC MM1431ATT (CN)	
IC6004		6-709-368-01	IC MM1431ATT (CN)	
IC6200		6-600-279-01	IC STR-A6169	
IC6201		8-759-682-42	IC MM1431ATT	
IC6300		8-759-831-57	IC TDA7495S	
			< COIL >	
L6000	⚠	1-456-856-21	LINE FILTER COIL	
L6001	⚠	1-456-856-21	LINE FILTER COIL	
L6002		1-457-218-11	INDUCTOR 100UH	
L6003		1-457-141-11	INDUCTOR 175UH	
L6004		1-414-487-41	INDUCTOR 1UH	
L6005		1-414-487-41	INDUCTOR 1UH	
L6007		1-457-239-11	INDUCTOR 4.7UH	
L6008		1-457-239-11	INDUCTOR 4.7UH	
L6200		1-414-934-21	INDUCTOR 10UH	
			< PHOTOCOUPLER >	
PH6000	⚠	6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
PH6001		6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
PH6002		6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
PH6003		6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
PH6200		6-600-187-01	PHOTO COUPLER PC123Y22JOOF	
			< PROTECTOR MODULE >	
PS6301	⚠	1-533-596-21	IC LINK 4A	90V
			< TRANSISTOR >	
Q6001		6-551-403-01	TRANSISTOR 2SK3797(LBS1SONY.	
Q6002		6-551-403-01	TRANSISTOR 2SK3797(LBS1SONY.	
Q6003		8-729-820-90	TRANSISTOR 2SD1621-ST	
Q6004		8-729-804-41	TRANSISTOR 2SB1122-S	
Q6005		8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6006		8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6007		8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6008		8-729-804-41	TRANSISTOR 2SB1122-S	
Q6009		8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6010		8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6011		8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6012		8-729-045-62	TRANSISTOR 2SK2158-T2B	
Q6013		6-551-545-01	TRANSISTOR 2SK3469-01MR-F111	
Q6014		6-551-545-01	TRANSISTOR 2SK3469-01MR-F111	
Q6015		8-729-045-62	TRANSISTOR 2SK2158-T2B	
Q6016		8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6302		8-729-010-29	TRANSISTOR MSD601-RST1	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.		PART.NO	DESCRIPTION			REMARK
Q6303		8-729-010-05	TRANSISTOR MSB709-RT1			
			< RESISTOR >			
JR6001		1-216-295-91	SHORT CHIP	0		
JR6002		1-216-296-11	SHORT CHIP	0		
JR6003		1-216-295-91	SHORT CHIP	0		
JR6004		1-216-295-91	SHORT CHIP	0		
JR6005		1-216-296-11	SHORT CHIP	0		
JR6006		1-216-296-11	SHORT CHIP	0		
JR6007		1-216-295-91	SHORT CHIP	0		
JR6200		1-216-864-11	SHORT CHIP	0		
JR6313		1-216-295-91	SHORT CHIP	0		
JR6314		1-216-295-91	SHORT CHIP	0		
JR6315		1-216-295-91	SHORT CHIP	0		
JR6316		1-216-295-91	SHORT CHIP	0		
R6001		1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R6002		1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R6003		1-208-830-11	METAL CHIP	100K	0.5%	1/10W
R6005		1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R6006		1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R6007	⚠	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R6008		1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R6009		1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R6017	⚠	1-240-251-11	METAL	6.8	5%	10W
R6021		1-218-913-91	METAL CHIP	560K	0.5%	1/10W
R6022		1-216-864-11	SHORT CHIP	0		
R6023		1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6024		1-208-814-91	METAL CHIP	22K	0.5%	1/10W
R6027		1-218-823-11	METAL CHIP	100	0.5%	1/10W
R6028		1-247-752-11	CARBON	1K	5%	1/2W
R6029		1-215-882-21	METAL OXIDE	22	5%	2W
R6030		1-216-864-11	SHORT CHIP	0		
R6031		1-218-835-11	METAL CHIP	330	0.5%	1/10W
R6032		1-217-157-00	METAL	0.33	10%	5W
R6033		1-216-813-11	METAL CHIP	220	5%	1/10W
R6034		1-216-813-11	METAL CHIP	220	5%	1/10W
R6035		1-217-157-00	METAL	0.33	10%	5W
R6036		1-211-981-11	METAL CHIP	33	0.5%	1/10W
R6037		1-218-823-11	METAL CHIP	100	0.5%	1/10W
R6038		1-216-833-11	METAL CHIP	10K	5%	1/10W
R6041		1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6042		1-249-389-11	CARBON	4.7	5%	1/4W
R6043		1-216-833-11	METAL CHIP	10K	5%	1/10W
R6044		1-216-837-11	METAL CHIP	22K	5%	1/10W
R6046		1-249-405-11	CARBON	100	5%	1/4W
R6047		1-249-389-11	CARBON	4.7	5%	1/4W
R6048		1-216-813-11	METAL CHIP	220	5%	1/10W
R6050		1-216-813-11	METAL CHIP	220	5%	1/10W
R6051		1-208-814-91	METAL CHIP	22K	0.5%	1/10W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R6052	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6053	1-218-907-11	METAL CHIP	330K	0.5%	1/10W
R6054	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6055	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R6056	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6057	1-216-809-11	METAL CHIP	100	5%	1/10W
R6058	1-208-848-11	METAL CHIP	560K	0.5%	1/10W
R6059	1-208-848-11	METAL CHIP	560K	0.5%	1/10W
R6060	1-208-848-11	METAL CHIP	560K	0.5%	1/10W
R6061	1-208-846-11	METAL CHIP	470K	0.5%	1/10W
R6062	1-208-844-11	METAL CHIP	390K	0.5%	1/10W
R6063	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R6064	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W
R6065	1-249-393-11	CARBON	10	5%	1/4W
R6066	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6067	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6068	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6069	1-202-933-61	FUSIBLE	0.1	10%	1/2W
R6070	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R6071	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R6072	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
R6073	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
R6074	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
R6075	1-208-854-11	METAL CHIP	1M	0.5%	1/10W
R6076	1-218-761-11	METAL CHIP	240K	0.5%	1/10W
R6077	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R6078	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R6081	1-249-385-11	CARBON	2.2	5%	1/4W
R6082	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6084	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R6085	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R6086	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6087	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6088	1-216-857-11	METAL CHIP	1M	5%	1/10W
R6090	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R6091	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6092	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R6093	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R6094	1-218-885-11	METAL CHIP	39K	0.5%	1/10W
R6095	1-216-009-91	RES-CHIP	22	5%	1/10W
R6096	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6097	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6098	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6099	1-216-009-91	RES-CHIP	22	5%	1/10W
R6100	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6101	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6102	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6103	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6104	1-218-847-11	METAL CHIP	1K	0.5%	1/10W

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.		PART.NO	DESCRIPTION			REMARK
R6105		1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R6106		1-216-361-00	METAL OXIDE	0.22	5%	2W
R6107		1-216-361-00	METAL OXIDE	0.22	5%	2W
R6108		1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R6109		1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R6110		1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6113		1-216-821-11	METAL CHIP	1K	5%	1/10W
R6114		1-216-821-11	METAL CHIP	1K	5%	1/10W
R6115		1-216-821-11	METAL CHIP	1K	5%	1/10W
R6116		1-216-837-11	METAL CHIP	22K	5%	1/10W
R6118		1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6121		1-218-843-11	METAL CHIP	680	0.5%	1/10W
R6122		1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R6124		1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R6125		1-216-833-11	METAL CHIP	10K	5%	1/10W
R6126		1-249-377-11	CARBON	0.47	5%	1/4W
R6128		1-245-494-21	METAL	2.2M	2%	1/4W
R6129		1-245-494-21	METAL	2.2M	2%	1/4W
R6132		1-249-416-11	CARBON	820	5%	1/4W
R6133		1-216-295-91	SHORT CHIP	0		
R6135		1-216-839-11	METAL CHIP	33K	5%	1/10W
R6136		1-216-821-11	METAL CHIP	1K	5%	1/10W
R6137		1-216-842-11	METAL CHIP	56K	5%	1/10W
R6138		1-216-864-11	SHORT CHIP	0		
R6139		1-216-841-11	METAL CHIP	47K	5%	1/10W
R6200	⚠	1-212-958-00	FUSIBLE	10	5%	1/2W
R6201		1-216-353-00	METAL OXIDE	2.2	5%	1W
R6202		1-260-129-11	CARBON	330K	5%	1/2W
R6203		1-249-385-11	CARBON	2.2	5%	1/4W
R6204		1-216-813-11	METAL CHIP	220	5%	1/10W
R6205		1-249-385-11	CARBON	2.2	5%	1/4W
R6206		1-216-817-11	METAL CHIP	470	5%	1/10W
R6207		1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R6208		1-216-809-11	METAL CHIP	100	5%	1/10W
R6210		1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R6211		1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R6217		1-216-295-91	SHORT CHIP	0		
R6218		1-216-295-91	SHORT CHIP	0		
R6304		1-216-846-11	METAL CHIP	120K	5%	1/10W
R6306		1-216-846-11	METAL CHIP	120K	5%	1/10W
R6308		1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6309		1-216-049-11	RES-CHIP	1K	5%	1/10W
R6313		1-216-864-11	SHORT CHIP	0		
R6314		1-216-845-11	METAL CHIP	100K	5%	1/10W
R6315		1-216-845-11	METAL CHIP	100K	5%	1/10W
R6316		1-216-837-11	METAL CHIP	22K	5%	1/10W
R6317		1-216-833-11	METAL CHIP	10K	5%	1/10W
R6318		1-216-833-11	METAL CHIP	10K	5%	1/10W

REF.NO.		PART.NO	DESCRIPTION	REMARK
		< RELAY >		
RY6000	⚠	1-755-579-11	RELAY, POWER	
		< TRANSFORMER >		
T6002	⚠	1-443-983-11	CONVERTER TRANSFORMER (PIT)	
T6003	⚠	1-443-986-11	CONVERTER TRANSFORMER (PIT)	
T6200	⚠	1-443-313-21	TRANSFORMER, CONVERTER (SBT)	
		< VARISTOR >		
VD6000	⚠	1-804-995-11	VARISTOR	
VD6001	⚠	1-804-995-11	VARISTOR	

*A-1242-773-A BDTR-2 Board Complete

	< CAPACITOR >		
C3001	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C3002	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C3003	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C3004	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3005	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C3007	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3008	1-126-205-11	ELECT CHIP 47UF	20.00% 6.3V
C3009	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3010	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3011	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3012	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3013	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3014	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3015	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3016	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3017	1-126-205-11	ELECT CHIP 47UF	20.00% 6.3V
C3018	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3019	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3020	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3021	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3022	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3023	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3024	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3025	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3026	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3027	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3028	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3029	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3030	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3031	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3032	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3033	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3035	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3040	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C3041	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3042	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3043	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C3044	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3045	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3048	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C3049	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C3050	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3051	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3052	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C3053	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C3054	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C3055	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3056	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C3057	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3058	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3059	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3060	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3061	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C3063	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3065	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C3068	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3069	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3070	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3071	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3072	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3073	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3074	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3075	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
C3076	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
C3078	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C3080	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3081	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C3082	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3083	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3085	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3086	1-126-390-11	ELECT CHIP 22UF	20.00% 6.3V
C3089	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3090	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3092	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C3093	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3094	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3095	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3096	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3097	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3114	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C3115	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C3116	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C3131	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C3200	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C3201	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C3300	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C3301	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C3302	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3303	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C3350	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C3353	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C3354	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
C3355	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C3410	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C4000	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4200	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4201	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4202	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4203	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4204	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4205	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4206	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4207	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4208	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4209	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4210	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4211	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4212	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4213	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4214	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4215	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4216	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4217	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4218	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4219	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4220	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4221	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4222	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4223	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4224	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4225	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4226	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4227	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C4228	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4229	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4230	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4231	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4232	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4233	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4234	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4235	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4236	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4237	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4250	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C4251	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4252	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4253	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4254	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4255	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4256	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4257	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4258	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4259	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4260	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4263	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4265	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4270	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C4271	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5040	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5041	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5042	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C5043	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5044	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C5045	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C5046	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C5047	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5048	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5049	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5050	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5051	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5052	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5054	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5055	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5056	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5057	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5058	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5059	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5060	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5061	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C5062	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C5063	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5064	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5065	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5066	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5067	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C5068	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5069	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5070	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5071	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5072	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5073	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5630	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C5631	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C5632	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5633	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5634	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5635	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5636	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5637	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5638	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5641	1-100-506-91	CERAMIC CHIP 1UF	20% 6.3V
C5642	1-100-506-91	CERAMIC CHIP 1UF	20% 6.3V
C5646	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5650	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5651	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5652	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5653	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5654	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5655	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5656	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5660	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C5661	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C5662	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C5663	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C5664	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5665	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5666	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C5667	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5668	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5669	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5670	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5671	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5672	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5673	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5674	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C5675	1-100-907-11	CERAMIC CHIP 0.1UF	10% 10V
C5680	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5682	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C5683	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5684	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5685	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5686	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5689	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5690	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5691	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5692	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5693	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5695	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5696	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5697	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5698	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5699	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5700	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5701	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C5702	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5703	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C5750	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5751	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5752	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5753	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5754	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5755	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5756	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5757	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5758	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5759	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5760	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5761	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5762	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5763	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5764	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5765	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5766	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5767	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5780	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5781	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5782	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C5783	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C5785	1-164-840-11	CERAMIC CHIP 1PF	0.25PF 50V
C5786	1-164-840-11	CERAMIC CHIP 1PF	0.25PF 50V
C5787	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5789	1-126-205-11	ELECT CHIP 47UF	20.00% 6.3V
C5790	1-104-905-11	DOUBLE LAYER 0.22F	5.5V
C5791	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C5792	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5793	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5794	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5795	1-165-822-91	CERAMIC CHIP 1UF	25V
C5796	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5797	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5798	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C5799	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5800	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5801	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5803	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5804	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C5805	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C5806	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C5807	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5808	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5809	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5811	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C5812	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C5813	1-135-366-11	ELECT CHIP 100UF	20% 16V
C5814	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C5815	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C5816	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C5817	1-112-066-11	CERAMIC CHIP 10UF	10% 10V
C5844	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C6500	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6501	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C6502	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6503	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6504	1-137-894-21	ELECT CHIP 470UF	20% 25V
C6505	1-137-894-21	ELECT CHIP 470UF	20% 25V
C6506	1-137-894-21	ELECT CHIP 470UF	20% 25V
C6507	1-137-894-21	ELECT CHIP 470UF	20% 25V
C6508	1-137-894-21	ELECT CHIP 470UF	20% 25V
C6509	1-137-894-21	ELECT CHIP 470UF	20% 25V
C6510	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6511	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6512	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C6513	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6515	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6516	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6517	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6518	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6519	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C6520	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6522	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6523	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6524	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6525	1-165-671-21	ELECT CHIP 470UF	20% 6.3V
C6526	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C6528	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C6529	1-165-671-21	ELECT CHIP 470UF	20% 6.3V
C6530	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6532	1-110-530-11	ELECT CHIP 1000UF	20% 6.3V
C6535	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6536	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6538	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6539	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C6543	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C6545	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6546	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6547	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C6548	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C6549	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C6551	1-127-573-11	CERAMIC CHIP 1UF	10% 16V
C6553	1-117-370-11	CERAMIC CHIP 10UF	10V
C6554	1-117-370-11	CERAMIC CHIP 10UF	10V
C6555	1-117-370-11	CERAMIC CHIP 10UF	10V
C6556	1-117-370-11	CERAMIC CHIP 10UF	10V
C6557	1-117-370-11	CERAMIC CHIP 10UF	10V

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.		PART.NO	DESCRIPTION	REMARK
C6558		1-100-911-11	CERAMIC CHIP 4.7UF 10% 25V	
C6559		1-117-370-11	CERAMIC CHIP 10UF 10V	
C6560		1-126-396-11	ELECT CHIP 47UF 20.00% 16V	
C6561		1-117-370-11	CERAMIC CHIP 10UF 10V	
C6562		1-126-396-11	ELECT CHIP 47UF 20.00% 16V	
C6563		1-126-396-11	ELECT CHIP 47UF 20.00% 16V	
C6564		1-100-911-11	CERAMIC CHIP 4.7UF 10% 25V	
C6565		1-126-396-11	ELECT CHIP 47UF 20.00% 16V	
C6566		1-126-396-11	ELECT CHIP 47UF 20.00% 16V	
C6567		1-100-911-11	CERAMIC CHIP 4.7UF 10% 25V	
C6572		1-126-396-11	ELECT CHIP 47UF 20.00% 16V	
C6579		1-165-908-11	CERAMIC CHIP 1UF 10% 10V	
C6581		1-109-982-11	CERAMIC CHIP 1UF 10.00% 10V	
C6582		1-107-823-11	CERAMIC CHIP 0.47UF 10.00% 16V	
C8907		1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	
C8922		1-164-156-11	CERAMIC CHIP 0.1UF 25V	
C8923		1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
C8930		1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
C8932		1-107-826-11	CERAMIC CHIP 0.1UF 10.00% 16V	
C8933		1-162-970-11	CERAMIC CHIP 0.01UF 10.00% 25V	
			< CONNECTOR >	
CN3000	*	1-819-335-11	HEADER ASSEMBLY FOR PWB, 9P	
CN3001	*	1-818-656-21	HEADER ASSEMBLY 30P	
CN3002		1-779-884-11	CONNECTOR 4P	
CN3003		1-820-187-11	HEADER ASSEMBLY (PRINT PWB)10P	
CN3004	*	1-819-475-11	HEADER ASSEMBLY FOR PWB 7P	
CN3005		1-819-390-51	FFC/FPC CONNECTOR (ZIF) 49P	
CN3006		1-820-255-51	FFC/FPC CONNECTOR (ZIF) 20P	
CN3007		1-784-254-11	CONNECTOR 10P	
CN3008		1-779-936-51	CONNECTOR, FFC/FPC 18P	
CN4000	*	1-817-804-11	CONNECTOR, D SUB 15P	
CN4200	*	1-820-208-11	HDMI CONNECTOR	
CN4200	*	1-821-188-11	HDMI CONNECTOR	
CN4201	*	1-820-208-11	HDMI CONNECTOR	
CN4201	*	1-821-188-11	HDMI CONNECTOR	
CN5750	*	1-793-769-22	CONNECTOR, CARD (PCMCIA CARD)	
CN5883		1-820-209-11	MEMORY STICK CONNECTOR	
CN6500	*	1-819-441-11	PWB HEADER, 13P	
CN6501	*	1-819-474-11	HEADER ASSEMBLY FOR PWB 6P	
			< DIODE >	
D3001		8-719-081-97	DIODE MMDL914T1	
D3004		8-719-050-38	DIODE M1MA152WK-T1	
D3005		8-719-036-94	DIODE RD5.6SB-T1	
D3009		8-719-081-97	DIODE MMDL914T1	
D3010		8-719-081-97	DIODE MMDL914T1	
D3011		8-719-081-97	DIODE MMDL914T1	
D3012		8-719-081-97	DIODE MMDL914T1	
D3014		8-719-081-97	DIODE MMDL914T1	
D3015		8-719-081-97	DIODE MMDL914T1	
D3016		8-719-069-60	DIODE UDZSNPTE-179.1B	
D4000		8-719-073-39	DIODE HZU5.6GTRF	
D4001		8-719-073-39	DIODE HZU5.6GTRF	
D4002		8-719-073-39	DIODE HZU5.6GTRF	
D4003		8-719-801-78	DIODE 1SS184	
D4202		8-719-404-50	DIODE MA111-TX	
D4203		8-719-404-50	DIODE MA111-TX	
D4204		8-719-404-50	DIODE MA111-TX	
D4206		8-719-404-50	DIODE MA111-TX	
D5780		8-719-041-97	DIODE MA113-(TX)	
D6301		8-719-081-97	DIODE MMDL914T1	
D6500		8-719-081-67	DIODE M1FM3	
D6501		8-719-081-67	DIODE M1FM3	
D6502		6-500-696-01	DIODE UDZSNPTE-173.0B	
D6504		8-719-081-97	DIODE MMDL914T1	
D6505		8-719-081-97	DIODE MMDL914T1	
D6506		6-501-336-01	DIODE RSX201L-30TE25	
D6507		8-719-080-41	DIODE RB063L-30TE25	
D6508		8-719-081-97	DIODE MMDL914T1	
D6509		6-500-294-01	DIODE PTZ-TE25-3.9B	
D6510		6-500-253-01	DIODE RB053L-30TE25	
D6512		6-500-253-01	DIODE RB053L-30TE25	
D6513		6-500-294-01	DIODE PTZ-TE25-3.9B	
D6514		6-500-295-01	DIODE PTZ-TE25-5.6B	
D6515		8-719-083-63	DIODE UDZSNPTE-1713B	
D6516		8-719-081-99	DIODE MM3Z13VT1	
D6517		8-719-081-99	DIODE MM3Z13VT1	
D6518		8-719-066-10	DIODE 1PS181-115	
D6519		8-719-081-97	DIODE MMDL914T1	
D6520		8-719-066-10	DIODE 1PS181-115	
ET6501		1-780-336-11	EARTH TERMINAL	
ET6502		1-780-336-11	EARTH TERMINAL	
ET6503		1-780-336-11	EARTH TERMINAL	
			< FUSE >	
F4000	⚠	1-576-646-11	FUSE 0.5A 50V	
			< FERRITE BEAD >	
FB3012		1-414-445-11	FERRITE 0UH	
FB3013		1-414-445-11	FERRITE 0UH	
FB3014		1-414-445-11	FERRITE 0UH	
FB3016		1-414-760-21	FERRITE 0UH	
FB3046		1-414-445-11	FERRITE 0UH	
FB3099		1-414-760-21	FERRITE 0UH	
FB3241		1-414-760-21	FERRITE 0UH	
FB3242		1-414-760-21	FERRITE 0UH	
FB3243		1-414-760-21	FERRITE 0UH	
FB3244		1-414-760-21	FERRITE 0UH	

REF.NO.	PART.NO	DESCRIPTION	REMARK
FB3245	1-414-760-21	FERRITE 0UH	
FB3400	1-414-445-11	FERRITE 0UH	
FB3401	1-414-445-11	FERRITE 0UH	
FB4003	1-400-141-22	FERRITE 0UH	
FB4200	1-414-234-22	FERRITE 0UH	
FB4201	1-414-234-22	FERRITE 0UH	
FB5040	1-400-244-11	FERRITE 0UH	
FB5041	1-400-244-11	FERRITE 0UH	
FB5612	1-400-833-21	FERRITE 0UH	
FB5613	1-400-833-21	FERRITE 0UH	
FB5614	1-400-833-21	FERRITE 0UH	
FB5615	1-400-833-21	FERRITE 0UH	
FB5616	1-400-833-21	FERRITE 0UH	
FB5617	1-400-833-21	FERRITE 0UH	
FB5618	1-400-807-21	FERRITE 0UH	
FB5619	1-400-807-21	FERRITE 0UH	
FB5620	1-400-807-21	FERRITE 0UH	
FB5621	1-400-807-21	FERRITE 0UH	
FB5622	1-400-833-21	FERRITE 0UH	
FB5623	1-400-833-21	FERRITE 0UH	
FB5624	1-400-833-21	FERRITE 0UH	
FB5630	1-469-869-21	FERRITE 0UH	
FB5634	1-400-244-11	FERRITE 0UH	
FB5635	1-400-244-11	FERRITE 0UH	
FB5636	1-469-869-21	FERRITE 0UH	
FB5637	1-469-869-21	FERRITE 0UH	
FB5640	1-400-834-11	FERRITE 0UH	
FB5646	1-400-834-11	FERRITE 0UH	
FB5647	1-469-869-21	FERRITE 0UH	
FB5680	1-400-244-11	FERRITE 0UH	
FB5681	1-400-244-11	FERRITE 0UH	
FB5750	1-469-869-21	FERRITE 0UH	
FB5751	1-469-869-21	FERRITE 0UH	
FB5780	1-400-244-11	FERRITE 0UH	
FB5781	1-400-244-11	FERRITE 0UH	
FB5782	1-400-244-11	FERRITE 0UH	
FB5907	1-400-834-11	FERRITE 0UH	
FB5908	1-400-834-11	FERRITE 0UH	
FB5909	1-400-834-11	FERRITE 0UH	
FB5910	1-400-834-11	FERRITE 0UH	
FB5911	1-400-834-11	FERRITE 0UH	
FB5912	1-400-834-11	FERRITE 0UH	
FB5913	1-400-834-11	FERRITE 0UH	
FB5914	1-400-834-11	FERRITE 0UH	
FB5915	1-400-834-11	FERRITE 0UH	
FB5916	1-400-244-11	FERRITE 0UH	
FB5917	1-400-244-11	FERRITE 0UH	
FB6500	1-469-324-21	FERRITE 0UH	
FB6501	1-469-324-21	FERRITE 0UH	
FB6502	1-469-775-21	FERRITE 0UH	

REF.NO.	PART.NO	DESCRIPTION	REMARK
		< IC >	
IC3000	8-759-082-60	IC TC7S66FU	
IC3001	6-706-419-01	IC LM393DT (A)	
IC3002	6-701-173-01	IC MC74LVXT4053DTR2	
IC3003	8-759-701-01	IC NJM2904M	
IC3004	6-704-573-01	IC M24C32-WMN6T(B)	
IC3005	6-703-175-01	IC PST3629UL	
IC3006	6-807-191-01	IC CXD9901R	
IC3008	8-752-072-94	IC CXA1875AM-T4	
IC3010	8-759-701-01	IC NJM2904M	
IC4000	6-704-600-01	IC M24C02-WMN6T(B)	
IC4200	6-704-001-01	IC BR24L02F-WSE2	
IC4201	6-709-806-01	IC IP4776CZ38	
IC4202	6-710-500-01	IC TDA9974AHS/8/C112/R1	
IC4203	6-704-001-01	IC BR24L02F-WSE2	
IC4204	6-709-806-01	IC IP4776CZ38	
IC5040	8-753-264-52	IC CXD1968R-T6	
IC5630	6-709-214-01	IC UPD61123F1-100-KA3-A	
IC5680	6-705-336-01	IC K9F2808U0C-PCB0T	
IC5681	6-707-809-01	IC EDD1216AATA-6B-E	
IC5682	6-708-916-01	IC ICS7150MLFT	
IC5750	8-759-644-48	IC 74LVC541APW	
IC5751	8-759-644-48	IC 74LVC541APW	
IC5752	6-706-482-01	IC TC7SH00FU(T5RSOYJF)	
IC5753	8-759-644-48	IC 74LVC541APW	
IC5754	6-708-132-01	IC 74LVC14APW	
IC5755	8-759-644-48	IC 74LVC541APW	
IC5756	8-759-644-48	IC 74LVC541APW	
IC5757	8-759-644-48	IC 74LVC541APW	
IC5758	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC5759	8-759-298-91	IC 74LVT245PW-T	
IC5780	6-700-108-01	IC RV5C387A-E2-FB	
IC5781	6-703-271-01	IC TAR5S50(TE85R)	
IC5782	6-707-808-01	IC WM8727GED/RV	
IC5783	8-759-701-40	IC NJM3404AM-T1	
IC5784	6-706-106-01	IC NCP1117STAT3	
IC5785	6-708-603-01	IC PQ070XNA1ZPH	
IC5786	6-710-593-01	IC MIC2025-1YM	
IC6500	6-702-142-01	IC PQ1CY1032ZP	
IC6501	6-702-142-01	IC PQ1CY1032ZP	
IC6502	6-706-046-01	IC TK11185CSCL-G	
IC6503	6-702-142-01	IC PQ1CY1032ZP	
IC6505	6-709-932-01	IC MM3141CNRE	
		< COIL >	
L3000	1-456-984-11	INDUCTOR 0UH	
L3001	1-456-984-11	INDUCTOR 0UH	
L3002	1-456-984-11	INDUCTOR 0UH	
L3003	1-456-984-11	INDUCTOR 0UH	

REF.NO.	PART.NO	DESCRIPTION	REMARK
L3004	1-456-984-11	INDUCTOR	0UH
L3005	1-400-180-21	FERRITE	0UH
L3350	1-412-990-41	INDUCTOR	8.2UH
L4208	1-414-394-11	INDUCTOR	2.2UH
L4212	1-414-394-11	INDUCTOR	2.2UH
L4213	1-414-394-11	INDUCTOR	2.2UH
L4214	1-414-394-11	INDUCTOR	2.2UH
L4215	1-414-394-11	INDUCTOR	2.2UH
L4216	1-414-394-11	INDUCTOR	2.2UH
L4217	1-414-394-11	INDUCTOR	2.2UH
L4262	1-414-394-11	INDUCTOR	2.2UH
L4263	1-414-394-11	INDUCTOR	2.2UH
L5040	1-469-842-21	INDUCTOR	0.47UH
L5041	1-412-058-11	INDUCTOR	10UH
L5042	1-412-058-11	INDUCTOR	10UH
L5043	1-412-058-11	INDUCTOR	10UH
L5044	1-412-058-11	INDUCTOR	10UH
L5045	1-412-058-11	INDUCTOR	10UH
L5046	1-412-058-11	INDUCTOR	10UH
L5630	1-414-398-11	INDUCTOR	10UH
L6500	1-416-511-11	INDUCTOR	47UH
L6501	1-416-511-11	INDUCTOR	47UH
L6502	1-457-242-11	INDUCTOR	47UH
L6503	1-414-398-11	INDUCTOR	10UH
L6504	1-424-976-21	INDUCTOR	47UH
L6505	1-457-242-11	INDUCTOR	47UH
L6506	1-424-976-21	INDUCTOR	47UH
L6508	1-424-922-21	INDUCTOR	10UH
L6510	1-416-948-21	INDUCTOR	10UH
L6511	1-424-922-21	INDUCTOR	10UH
L6512	1-416-511-11	INDUCTOR	47UH
L6514	1-412-026-11	INDUCTOR	1UH
L6515	1-412-026-11	INDUCTOR	1UH
L6516	1-412-026-11	INDUCTOR	1UH
L6517	1-414-394-11	INDUCTOR	2.2UH
L6518	1-412-026-11	INDUCTOR	1UH
L6519	1-412-026-11	INDUCTOR	1UH
L6520	1-412-026-11	INDUCTOR	1UH
L6521	1-412-026-11	INDUCTOR	1UH
L6522	1-412-026-11	INDUCTOR	1UH
L6523	1-412-026-11	INDUCTOR	1UH
L6524	1-412-026-11	INDUCTOR	1UH
L6525	1-412-026-11	INDUCTOR	1UH
L6526	1-414-394-11	INDUCTOR	2.2UH
L6527	1-414-394-11	INDUCTOR	2.2UH
L6528	1-412-026-11	INDUCTOR	1UH

< PROTECTOR MODULE >

PS6500	⚠	1-576-736-41	IC LINK	3.15A	24V
PS6501	⚠	1-576-736-41	IC LINK	3.15A	24V
PS6502	⚠	1-576-736-41	IC LINK	3.15A	24V

< TRANSISTOR >

Q3000	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q3001	8-729-421-22	TRANSISTOR UN2211
Q3002	8-729-927-99	TRANSISTOR 2SC4617R
Q3003	8-729-927-99	TRANSISTOR 2SC4617R
Q3004	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q3006	8-729-905-35	TRANSISTOR 2SC4081-R
Q3007	8-729-907-00	TRANSISTOR DTC114EU
Q3008	8-729-045-62	TRANSISTOR 2SK2158-T2B
Q3009	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR
Q3010	8-729-026-53	TRANSISTOR 2SA1576A-T106-QR
Q3011	8-729-045-62	TRANSISTOR 2SK2158-T2B
Q3012	8-729-422-29	TRANSISTOR 2SD601A-S
Q3013	8-729-422-29	TRANSISTOR 2SD601A-S
Q3014	8-729-422-29	TRANSISTOR 2SD601A-S
Q3015	8-729-422-29	TRANSISTOR 2SD601A-S
Q3016	8-729-421-19	TRANSISTOR UN2213
Q3017	8-729-050-10	TRANSISTOR PMBF170-215
Q3020	8-729-905-35	TRANSISTOR 2SC4081-R
Q3120	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q3121	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q3122	8-729-028-73	TRANSISTOR DTA114EUA-T106
Q3123	8-729-010-05	TRANSISTOR MSB709-RT1
Q3300	8-729-010-05	TRANSISTOR MSB709-RT1
Q3301	8-729-421-19	TRANSISTOR UN2213
Q3350	8-729-010-05	TRANSISTOR MSB709-RT1
Q3351	8-729-010-29	TRANSISTOR MSD601-RST1
Q4204	8-729-421-22	TRANSISTOR UN2211
Q4213	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q4214	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q4219	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q4220	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q5780	8-729-010-05	TRANSISTOR MSB709-RT1
Q5920	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q5921	8-729-028-28	TRANSISTOR 2SK2036(TE85L)
Q5922	8-729-028-86	TRANSISTOR DTA143EUA-T106
Q5923	8-729-907-00	TRANSISTOR DTC114EU
Q6500	8-729-421-22	TRANSISTOR UN2211
Q6501	8-729-421-22	TRANSISTOR UN2211
Q6502	8-729-421-22	TRANSISTOR UN2211
Q6503	8-729-010-25	TRANSISTOR MSD601-RT1
Q6504	8-729-421-22	TRANSISTOR UN2211
Q6505	8-729-010-25	TRANSISTOR MSD601-RT1
Q6506	8-729-010-25	TRANSISTOR MSD601-RT1
Q6507	8-729-010-25	TRANSISTOR MSD601-RT1
Q6509	8-729-046-04	TRANSISTOR FDS6690A

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q6510	8-729-421-22	TRANSISTOR UN2211	
Q6511	8-729-421-22	TRANSISTOR UN2211	
Q6512	6-550-369-01	TRANSISTOR TPC8109(TE12L)	
Q6513	6-550-369-01	TRANSISTOR TPC8109(TE12L)	
Q6514	8-729-010-05	TRANSISTOR MSB709-RT1	
Q6515	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q6555	8-729-010-25	TRANSISTOR MSD601-RT1	
		< RESISTOR >	
JR5600	1-216-295-91	SHORT CHIP 0	
JR5601	1-218-990-81	SHORT CHIP 0	
JR5602	1-218-990-81	SHORT CHIP 0	
R3000	1-216-864-11	SHORT CHIP 0	
R3001	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3002	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R3003	1-216-864-11	SHORT CHIP 0	
R3004	1-216-864-11	SHORT CHIP 0	
R3006	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3008	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R3010	1-216-864-11	SHORT CHIP 0	
R3015	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
R3016	1-216-821-11	METAL CHIP 1K 5%	1/10W
R3019	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3020	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3021	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3022	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3023	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3024	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3026	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3027	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3028	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3029	1-216-841-11	METAL CHIP 47K 5%	1/10W
R3030	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3031	1-216-864-11	SHORT CHIP 0	
R3032	1-216-849-11	METAL CHIP 220K 5%	1/10W
R3034	1-218-871-11	METAL CHIP 10K 0.5%	1/10W
R3035	1-216-864-11	SHORT CHIP 0	
R3036	1-216-864-11	SHORT CHIP 0	
R3037	1-216-864-11	SHORT CHIP 0	
R3038	1-216-864-11	SHORT CHIP 0	
R3039	1-216-864-11	SHORT CHIP 0	
R3040	1-218-891-11	METAL CHIP 68K 0.5%	1/10W
R3042	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3043	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3044	1-218-839-11	METAL CHIP 470 0.5%	1/10W
R3045	1-216-864-11	SHORT CHIP 0	
R3046	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3048	1-216-864-11	SHORT CHIP 0	
R3049	1-216-864-11	SHORT CHIP 0	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R3050	1-216-809-11	METAL CHIP 100 5%	1/10W
R3051	1-216-864-11	SHORT CHIP 0	
R3052	1-216-864-11	SHORT CHIP 0	
R3053	1-216-864-11	SHORT CHIP 0	
R3054	1-216-864-11	SHORT CHIP 0	
R3058	1-218-887-11	METAL CHIP 47K 0.5%	1/10W
R3059	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3061	1-218-847-11	METAL CHIP 1K 0.5%	1/10W
R3062	1-216-809-11	METAL CHIP 100 5%	1/10W
R3063	1-216-809-11	METAL CHIP 100 5%	1/10W
R3064	1-216-809-11	METAL CHIP 100 5%	1/10W
R3067	1-216-809-11	METAL CHIP 100 5%	1/10W
R3068	1-216-809-11	METAL CHIP 100 5%	1/10W
R3069	1-216-809-11	METAL CHIP 100 5%	1/10W
R3071	1-216-809-11	METAL CHIP 100 5%	1/10W
R3073	1-216-809-11	METAL CHIP 100 5%	1/10W
R3074	1-216-809-11	METAL CHIP 100 5%	1/10W
R3075	1-216-809-11	METAL CHIP 100 5%	1/10W
R3076	1-216-809-11	METAL CHIP 100 5%	1/10W
R3077	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3078	1-216-809-11	METAL CHIP 100 5%	1/10W
R3079	1-216-864-11	SHORT CHIP 0	
R3080	1-216-864-11	SHORT CHIP 0	
R3081	1-216-864-11	SHORT CHIP 0	
R3083	1-216-864-11	SHORT CHIP 0	
R3084	1-216-864-11	SHORT CHIP 0	
R3085	1-216-864-11	SHORT CHIP 0	
R3087	1-216-864-11	SHORT CHIP 0	
R3088	1-216-864-11	SHORT CHIP 0	
R3089	1-216-809-11	METAL CHIP 100 5%	1/10W
R3090	1-216-809-11	METAL CHIP 100 5%	1/10W
R3091	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3092	1-216-864-11	SHORT CHIP 0	
R3093	1-216-864-11	SHORT CHIP 0	
R3094	1-216-864-11	SHORT CHIP 0	
R3095	1-216-864-11	SHORT CHIP 0	
R3096	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3097	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R3098	1-216-864-11	SHORT CHIP 0	
R3100	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R3101	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R3103	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R3104	1-216-864-11	SHORT CHIP 0	
R3105	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R3106	1-218-891-11	METAL CHIP 68K 0.5%	1/10W
R3107	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R3108	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R3109	1-218-823-11	METAL CHIP 100 0.5%	1/10W
R3110	1-216-864-11	SHORT CHIP 0	
R3111	1-218-823-11	METAL CHIP 100 0.5%	1/10W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R3112	1-216-864-11	SHORT CHIP	0		
R3113	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3114	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3115	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3116	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3117	1-216-864-11	SHORT CHIP	0		
R3119	1-216-864-11	SHORT CHIP	0		
R3121	1-216-864-11	SHORT CHIP	0		
R3124	1-216-864-11	SHORT CHIP	0		
R3127	1-216-864-11	SHORT CHIP	0		
R3128	1-216-809-11	METAL CHIP	100	5%	1/10W
R3129	1-216-864-11	SHORT CHIP	0		
R3133	1-216-809-11	METAL CHIP	100	5%	1/10W
R3136	1-216-809-11	METAL CHIP	100	5%	1/10W
R3137	1-216-864-11	SHORT CHIP	0		
R3138	1-216-809-11	METAL CHIP	100	5%	1/10W
R3140	1-216-809-11	METAL CHIP	100	5%	1/10W
R3142	1-216-809-11	METAL CHIP	100	5%	1/10W
R3143	1-216-864-11	SHORT CHIP	0		
R3146	1-216-864-11	SHORT CHIP	0		
R3147	1-216-864-11	SHORT CHIP	0		
R3150	1-216-809-11	METAL CHIP	100	5%	1/10W
R3153	1-216-864-11	SHORT CHIP	0		
R3156	1-216-817-11	METAL CHIP	470	5%	1/10W
R3158	1-216-864-11	SHORT CHIP	0		
R3159	1-216-817-11	METAL CHIP	470	5%	1/10W
R3160	1-216-864-11	SHORT CHIP	0		
R3161	1-216-864-11	SHORT CHIP	0		
R3163	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3167	1-216-809-11	METAL CHIP	100	5%	1/10W
R3175	1-216-864-11	SHORT CHIP	0		
R3177	1-216-809-11	METAL CHIP	100	5%	1/10W
R3178	1-216-809-11	METAL CHIP	100	5%	1/10W
R3180	1-216-809-11	METAL CHIP	100	5%	1/10W
R3181	1-216-809-11	METAL CHIP	100	5%	1/10W
R3182	1-216-809-11	METAL CHIP	100	5%	1/10W
R3183	1-216-809-11	METAL CHIP	100	5%	1/10W
R3184	1-216-809-11	METAL CHIP	100	5%	1/10W
R3185	1-216-809-11	METAL CHIP	100	5%	1/10W
R3186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3188	1-216-864-11	SHORT CHIP	0		
R3190	1-216-864-11	SHORT CHIP	0		
R3191	1-216-864-11	SHORT CHIP	0		
R3192	1-216-864-11	SHORT CHIP	0		
R3193	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3195	1-216-864-11	SHORT CHIP	0		
R3196	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3198	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R3201	1-216-864-11	SHORT CHIP	0		
R3202	1-216-864-11	SHORT CHIP	0		
R3203	1-216-864-11	SHORT CHIP	0		
R3204	1-216-864-11	SHORT CHIP	0		
R3209	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3212	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3213	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3215	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R3216	1-216-864-11	SHORT CHIP	0		
R3219	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3220	1-216-864-11	SHORT CHIP	0		
R3221	1-216-864-11	SHORT CHIP	0		
R3222	1-216-809-11	METAL CHIP	100	5%	1/10W
R3224	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R3225	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3229	1-216-864-11	SHORT CHIP	0		
R3230	1-216-864-11	SHORT CHIP	0		
R3231	1-216-864-11	SHORT CHIP	0		
R3233	1-216-864-11	SHORT CHIP	0		
R3240	1-216-817-11	METAL CHIP	470	5%	1/10W
R3246	1-216-864-11	SHORT CHIP	0		
R3247	1-216-843-11	METAL CHIP	68K	5%	1/10W
R3248	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3249	1-216-817-11	METAL CHIP	470	5%	1/10W
R3250	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3251	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3252	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3253	1-216-864-11	SHORT CHIP	0		
R3255	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3256	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3257	1-218-990-81	SHORT CHIP	0		
R3259	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3260	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3261	1-216-864-11	SHORT CHIP	0		
R3262	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3263	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3264	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3265	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3266	1-216-817-11	METAL CHIP	470	5%	1/10W
R3267	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3268	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3269	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3270	1-216-864-11	SHORT CHIP	0		
R3271	1-216-864-11	SHORT CHIP	0		
R3272	1-216-864-11	SHORT CHIP	0		
R3273	1-216-864-11	SHORT CHIP	0		
R3274	1-216-864-11	SHORT CHIP	0		
R3275	1-216-864-11	SHORT CHIP	0		
R3276	1-216-864-11	SHORT CHIP	0		
R3277	1-216-864-11	SHORT CHIP	0		
R3278	1-216-864-11	SHORT CHIP	0		

REF.NO.	PART.NO	DESCRIPTION			REMARK
R3279	1-216-864-11	SHORT CHIP	0		
R3280	1-216-864-11	SHORT CHIP	0		
R3281	1-216-864-11	SHORT CHIP	0		
R3282	1-216-864-11	SHORT CHIP	0		
R3283	1-216-864-11	SHORT CHIP	0		
R3284	1-216-864-11	SHORT CHIP	0		
R3285	1-216-864-11	SHORT CHIP	0		
R3286	1-216-864-11	SHORT CHIP	0		
R3287	1-216-864-11	SHORT CHIP	0		
R3288	1-216-864-11	SHORT CHIP	0		
R3289	1-216-864-11	SHORT CHIP	0		
R3290	1-216-864-11	SHORT CHIP	0		
R3291	1-216-864-11	SHORT CHIP	0		
R3292	1-216-864-11	SHORT CHIP	0		
R3293	1-216-809-11	METAL CHIP	100	5%	1/10W
R3295	1-216-864-11	SHORT CHIP	0		
R3296	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3297	1-216-809-11	METAL CHIP	100	5%	1/10W
R3298	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3299	1-216-813-11	METAL CHIP	220	5%	1/10W
R3300	1-216-817-11	METAL CHIP	470	5%	1/10W
R3301	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3302	1-216-849-11	METAL CHIP	220K	5%	1/10W
R3303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R3304	1-216-839-11	METAL CHIP	33K	5%	1/10W
R3305	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3310	1-216-809-11	METAL CHIP	100	5%	1/10W
R3311	1-216-809-11	METAL CHIP	100	5%	1/10W
R3320	1-216-864-11	SHORT CHIP	0		
R3321	1-216-864-11	SHORT CHIP	0		
R3350	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3351	1-216-805-11	METAL CHIP	47	5%	1/10W
R3352	1-216-864-11	SHORT CHIP	0		
R3355	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3356	1-216-864-11	SHORT CHIP	0		
R3370	1-216-864-11	SHORT CHIP	0		
R3371	1-216-864-11	SHORT CHIP	0		
R3372	1-216-864-11	SHORT CHIP	0		
R3373	1-216-864-11	SHORT CHIP	0		
R3374	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3375	1-216-809-11	METAL CHIP	100	5%	1/10W
R3376	1-220-397-11	METAL CHIP	4.7M	5%	1/10W
R3377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3380	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3381	1-216-809-11	METAL CHIP	100	5%	1/10W
R3382	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3387	1-216-864-11	SHORT CHIP	0		
R3388	1-216-864-11	SHORT CHIP	0		
R3389	1-216-864-11	SHORT CHIP	0		
R3392	1-216-809-11	METAL CHIP	100	5%	1/10W
R3393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3394	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3395	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3397	1-216-809-11	METAL CHIP	100	5%	1/10W
R3406	1-216-864-11	SHORT CHIP	0		
R3410	1-216-817-11	METAL CHIP	470	5%	1/10W
R3411	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R3700	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4000	1-216-805-11	METAL CHIP	47	5%	1/10W
R4001	1-216-805-11	METAL CHIP	47	5%	1/10W
R4004	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4005	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4006	1-216-805-11	METAL CHIP	47	5%	1/10W
R4007	1-216-805-11	METAL CHIP	47	5%	1/10W
R4008	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4009	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4010	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4011	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4012	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4013	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4014	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4015	1-216-864-11	SHORT CHIP	0		
R4016	1-216-864-11	SHORT CHIP	0		
R4017	1-216-864-11	SHORT CHIP	0		
R4018	1-216-864-11	SHORT CHIP	0		
R4019	1-216-864-11	SHORT CHIP	0		
R4020	1-216-845-11	METAL CHIP	100K	5%	1/10W
R4200	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4201	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4202	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4203	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4205	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R4206	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R4208	1-216-864-11	SHORT CHIP	0		
R4209	1-216-809-11	METAL CHIP	100	5%	1/10W
R4210	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R4211	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R4212	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4215	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R4216	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R4217	1-216-809-11	METAL CHIP	100	5%	1/10W
R4218	1-216-809-11	METAL CHIP	100	5%	1/10W
R4219	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4220	1-216-809-11	METAL CHIP	100	5%	1/10W
R4221	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R4222	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R4232	1-216-809-11	METAL CHIP	100	5%	1/10W
R4235	1-216-809-11	METAL CHIP	100	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R4236	1-216-809-11	METAL CHIP	100	5%	1/10W
R4237	1-216-809-11	METAL CHIP	100	5%	1/10W
R4239	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R4240	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R4241	1-216-809-11	METAL CHIP	100	5%	1/10W
R4242	1-216-809-11	METAL CHIP	100	5%	1/10W
R4243	1-216-864-11	SHORT CHIP	0		
R4244	1-216-864-11	SHORT CHIP	0		
R4245	1-216-839-11	METAL CHIP	33K	5%	1/10W
R4246	1-216-864-11	SHORT CHIP	0		
R4248	1-216-864-11	SHORT CHIP	0		
R4250	1-216-864-11	SHORT CHIP	0		
R4252	1-216-809-11	METAL CHIP	100	5%	1/10W
R4253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4254	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4255	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4256	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5040	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5041	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5043	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5044	1-218-941-81	RES-CHIP	100	5%	1/16W
R5045	1-218-941-81	RES-CHIP	100	5%	1/16W
R5046	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5049	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5050	1-218-941-81	RES-CHIP	100	5%	1/16W
R5051	1-218-941-81	RES-CHIP	100	5%	1/16W
R5053	1-218-937-11	RES-CHIP	47	5%	1/16W
R5054	1-218-941-81	RES-CHIP	100	5%	1/16W
R5055	1-218-941-81	RES-CHIP	100	5%	1/16W
R5056	1-216-864-11	SHORT CHIP	0		
R5057	1-218-941-81	RES-CHIP	100	5%	1/16W
R5058	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5060	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5061	1-218-941-81	RES-CHIP	100	5%	1/16W
R5062	1-218-941-81	RES-CHIP	100	5%	1/16W
R5063	1-218-941-81	RES-CHIP	100	5%	1/16W
R5064	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5625	1-218-990-81	SHORT CHIP	0		
R5626	1-218-990-81	SHORT CHIP	0		
R5629	1-218-990-81	SHORT CHIP	0		
R5630	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5631	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5632	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5633	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5634	1-218-941-81	RES-CHIP	100	5%	1/16W
R5635	1-218-941-81	RES-CHIP	100	5%	1/16W
R5636	1-218-941-81	RES-CHIP	100	5%	1/16W
R5637	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5638	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5639	1-218-941-81	RES-CHIP	100	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R5640	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5641	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5644	1-218-941-81	RES-CHIP	100	5%	1/16W
R5645	1-218-941-81	RES-CHIP	100	5%	1/16W
R5646	1-218-941-81	RES-CHIP	100	5%	1/16W
R5647	1-218-941-81	RES-CHIP	100	5%	1/16W
R5650	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5652	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5653	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5654	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5655	1-218-937-11	RES-CHIP	47	5%	1/16W
R5656	1-218-937-11	RES-CHIP	47	5%	1/16W
R5657	1-218-937-11	RES-CHIP	47	5%	1/16W
R5661	1-218-937-11	RES-CHIP	47	5%	1/16W
R5663	1-220-174-11	RES-CHIP	200	5%	1/16W
R5664	1-220-174-11	RES-CHIP	200	5%	1/16W
R5665	1-220-174-11	RES-CHIP	200	5%	1/16W
R5666	1-220-174-11	RES-CHIP	200	5%	1/16W
R5667	1-220-174-11	RES-CHIP	200	5%	1/16W
R5668	1-220-174-11	RES-CHIP	200	5%	1/16W
R5669	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R5671	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R5673	1-218-990-81	SHORT CHIP	0		
R5674	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R5676	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5679	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5681	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5683	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5684	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5686	1-218-949-11	RES-CHIP	470	5%	1/16W
R5688	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5689	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5691	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5693	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5695	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5697	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5699	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5701	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5703	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5706	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5707	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5710	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5712	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5714	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5715	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5717	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5720	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5722	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5723	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5726	1-218-953-11	RES-CHIP	1K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R5727	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5729	1-218-939-11	RES-CHIP	68	5%	1/16W
R5730	1-218-941-11	RES-CHIP	100	5%	1/16W
R5731	1-218-941-11	RES-CHIP	100	5%	1/16W
R5732	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5733	1-218-937-11	RES-CHIP	47	5%	1/16W
R5734	1-218-939-11	RES-CHIP	68	5%	1/16W
R5735	1-218-941-81	RES-CHIP	100	5%	1/16W
R5736	1-218-941-81	RES-CHIP	100	5%	1/16W
R5737	1-218-941-81	RES-CHIP	100	5%	1/16W
R5738	1-218-941-81	RES-CHIP	100	5%	1/16W
R5739	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5740	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5744	1-218-949-11	RES-CHIP	470	5%	1/16W
R5745	1-218-949-11	RES-CHIP	470	5%	1/16W
R5750	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5751	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5752	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5753	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5754	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5755	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5756	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5757	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5758	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5759	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5760	1-218-941-81	RES-CHIP	100	5%	1/16W
R5761	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5763	1-218-941-81	RES-CHIP	100	5%	1/16W
R5764	1-218-941-81	RES-CHIP	100	5%	1/16W
R5780	1-216-809-11	METAL CHIP	100	5%	1/10W
R5781	1-216-809-11	METAL CHIP	100	5%	1/10W
R5782	1-218-945-11	RES-CHIP	220	5%	1/16W
R5783	1-216-809-11	METAL CHIP	100	5%	1/10W
R5784	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5786	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R5789	1-216-813-11	METAL CHIP	220	5%	1/10W
R5791	1-218-990-81	SHORT CHIP	0		
R5792	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5793	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5794	1-218-972-11	RES-CHIP	39K	5%	1/16W
R5795	1-218-972-11	RES-CHIP	39K	5%	1/16W
R5796	1-218-968-11	RES-CHIP	18K	5%	1/16W
R5797	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5798	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5799	1-218-968-11	RES-CHIP	18K	5%	1/16W
R5800	1-218-967-11	RES-CHIP	15K	5%	1/16W
R5801	1-218-967-11	RES-CHIP	15K	5%	1/16W
R5802	1-218-968-11	RES-CHIP	18K	5%	1/16W
R5803	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5804	1-218-968-11	RES-CHIP	18K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R5805	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5806	1-220-174-11	RES-CHIP	200	5%	1/16W
R5807	1-218-941-81	RES-CHIP	100	5%	1/16W
R5808	1-218-941-81	RES-CHIP	100	5%	1/16W
R5809	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5810	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5811	1-218-935-11	RES-CHIP	33	5%	1/16W
R5812	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R5813	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5814	1-218-990-81	SHORT CHIP	0		
R5840	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5843	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5845	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5847	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5861	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5862	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5863	1-218-990-81	SHORT CHIP	0		
R5864	1-218-990-81	SHORT CHIP	0		
R5865	1-218-990-81	SHORT CHIP	0		
R5884	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5885	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5886	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5887	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5888	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5889	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5890	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5891	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5892	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5893	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5895	1-218-941-81	RES-CHIP	100	5%	1/16W
R5896	1-218-941-81	RES-CHIP	100	5%	1/16W
R5897	1-218-941-81	RES-CHIP	100	5%	1/16W
R5902	1-218-941-81	RES-CHIP	100	5%	1/16W
R5903	1-218-941-81	RES-CHIP	100	5%	1/16W
R5904	1-218-941-81	RES-CHIP	100	5%	1/16W
R5905	1-218-941-81	RES-CHIP	100	5%	1/16W
R5906	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5922	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5923	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5925	1-216-864-11	SHORT CHIP	0		
R5927	1-216-864-11	SHORT CHIP	0		
R5930	1-218-941-81	RES-CHIP	100	5%	1/16W
R5950	1-218-990-81	SHORT CHIP	0		
R5951	1-218-990-81	SHORT CHIP	0		
R5954	1-218-939-11	RES-CHIP	68	5%	1/16W
R5955	1-218-939-11	RES-CHIP	68	5%	1/16W
R5956	1-218-939-11	RES-CHIP	68	5%	1/16W
R5957	1-218-939-11	RES-CHIP	68	5%	1/16W
R5958	1-218-939-11	RES-CHIP	68	5%	1/16W
R5959	1-218-939-11	RES-CHIP	68	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R6500	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6501	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6502	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6508	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6512	1-216-864-11	SHORT CHIP	0		
R6513	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R6514	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R6515	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R6516	1-218-877-11	METAL CHIP	18K	0.5%	1/10W
R6521	1-218-860-11	METAL CHIP	3.6K	0.5%	1/10W
R6522	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R6523	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R6524	1-218-850-11	METAL CHIP	1.3K	0.5%	1/10W
R6526	1-216-864-11	SHORT CHIP	0		
R6528	1-216-864-11	SHORT CHIP	0		
R6539	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6540	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6542	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6543	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6547	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6548	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6549	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6550	1-216-864-11	SHORT CHIP	0		
R6551	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6552	1-216-864-11	SHORT CHIP	0		
R6554	1-216-864-11	SHORT CHIP	0		
R6555	1-216-864-11	SHORT CHIP	0		
R6556	1-216-864-11	SHORT CHIP	0		
R6557	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6558	1-216-864-11	SHORT CHIP	0		
R6559	1-216-864-11	SHORT CHIP	0		
R6560	1-216-864-11	SHORT CHIP	0		
R6562	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6565	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6566	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6567	1-216-847-11	METAL CHIP	150K	5%	1/10W
R6568	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6569	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6570	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6574	1-216-797-11	METAL CHIP	10	5%	1/10W
R6575	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R6577	1-216-864-11	SHORT CHIP	0		
R6578	1-216-864-11	SHORT CHIP	0		
R6580	1-216-857-11	METAL CHIP	1M	5%	1/10W
R6581	1-216-864-11	SHORT CHIP	0		
R6582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6583	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6596	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6700	1-216-809-11	METAL CHIP	100	5%	1/10W
R9032	1-216-864-11	SHORT CHIP	0		
R9034	1-218-965-11	RES-CHIP	10K	5%	1/16W
R9038	1-216-864-11	SHORT CHIP	0		
R9041	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R9042	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R9044	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
R9045	1-218-893-11	METAL CHIP	82K	0.5%	1/10W
R9046	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
R9047	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
R9048	1-216-864-11	SHORT CHIP	0		
R9049	1-216-864-11	SHORT CHIP	0		

< RESISTOR CHIP >

RB4205	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB4206	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB4208	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB4209	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB4211	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB4212	1-239-409-11	NETWORK RESISTOR (CHIP)	47
RB4214	1-233-796-11	RES, NETWORK	(1608)
RB4215	1-233-796-11	RES, NETWORK	(1608)
RB4216	1-233-796-11	RES, NETWORK	(1608)
RB4217	1-233-796-11	RES, NETWORK	(1608)
RB4220	1-233-796-11	RES, NETWORK	(1608)
RB4221	1-233-796-11	RES, NETWORK	(1608)
RB4222	1-233-796-11	RES, NETWORK	(1608)
RB4223	1-233-796-11	RES, NETWORK	(1608)
RB5040	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5041	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5680	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5681	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5682	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5683	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5684	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5685	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5686	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5687	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5688	1-234-702-11	RES, NETWORK 68	(1005X4)
RB5689	1-239-409-11	NETWORK RESISTOR (CHIP)	47

< SWITCH >

S3000	1-572-921-11	SWITCH, KEY BOARD
S3001	1-572-921-11	SWITCH, KEY BOARD

< VARISTOR >

VD4000	1-803-974-21	VARISTOR, CHIP	(1608)

REF.NO.	PART.NO	DESCRIPTION	REMARK
VD4001	1-803-974-21	VARISTOR, CHIP	(1608)
VD4002	1-803-974-21	VARISTOR, CHIP	(1608)
VD4003	1-803-974-21	VARISTOR, CHIP	(1608)
VD4004	1-803-974-21	VARISTOR, CHIP	(1608)
		< CRYSTAL >	
X3000	1-813-531-11	OSCILLATOR, CRYSTAL UNIT	
X3001	1-813-806-21	OSCILLATOR, CRYSTAL	
X5040	1-813-547-11	QUARTZ CRYSTAL UNIT	
X5680	1-813-055-11	QUARTZ CRYSTAL UNIT	
X5780	1-781-696-31	VIBRATOR, CRYSTAL	

***A-1189-408-A H1 Board Complete (32 inches)**
***A-1202-963-A H1P Board Complete (40 inches)**

		< CAPACITOR >	
C9000	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
		< CONNECTOR >	
CN9000	1-778-507-21	PIN, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D9000	8-719-036-94	DIODE RD5.6SB-T1	
		< RESISTOR >	
R9000	1-216-864-11	SHORT CHIP 0	
R9001	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
R9002	1-218-843-11	METAL CHIP 680 0.5% 1/10W	
R9003	1-218-851-11	METAL CHIP 1.5K 0.5% 1/10W	
R9004	1-218-839-11	METAL CHIP 470 0.5% 1/10W	
R9005	1-218-855-11	METAL CHIP 2.2K 0.5% 1/10W	
R9006	1-218-834-11	METAL CHIP 300 0.5% 1/10W	
R9007	1-216-864-11	SHORT CHIP 0	
R9008	1-216-864-11	SHORT CHIP 0	
		< SWITCH >	
S9000	1-572-595-31	SWITCH, TACTILE (REFLOW TYPE)	
S9001	1-572-595-31	SWITCH, TACTILE (REFLOW TYPE)	
S9002	1-572-595-31	SWITCH, TACTILE (REFLOW TYPE)	
S9003	1-572-595-31	SWITCH, TACTILE (REFLOW TYPE)	
S9004	1-572-595-31	SWITCH, TACTILE (REFLOW TYPE)	
S9005	1-572-595-31	SWITCH, TACTILE (REFLOW TYPE)	
S9006	1-572-595-31	SWITCH, TACTILE (REFLOW TYPE)	
		< VARISTOR >	
VD9000	1-803-974-21	VARISTOR, CHIP	(1608)
VD9001	1-803-974-21	VARISTOR, CHIP	(1608)
VD9002	1-803-974-21	VARISTOR, CHIP	(1608)
VD9003	1-803-974-21	VARISTOR, CHIP	(1608)
VD9004	1-803-974-21	VARISTOR, CHIP	(1608)
VD9005	1-803-974-21	VARISTOR, CHIP	(1608)
VD9006	1-803-974-21	VARISTOR, CHIP	(1608)

***A-1189-409-A H2 Board Complete (32 inches)**
***A-1202-964-A H2P Board Complete (40 inches)**

		< CAPACITOR >	
C2902	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2903	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2904	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2905	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2930	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2931	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9041	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C9049	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C9050	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C9077	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9078	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C9079	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9080	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C9081	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C9082	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
		< CONNECTOR >	
CN9855	* 1-819-335-11	HEADER ASSEMBLY FOR PWB, 9P	
CN9856	1-779-993-11	PIN, CONNECTOR (PWB) 5P	
CN9857	* 1-764-250-11	PIN, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D9036	8-719-977-28	DIODE DTZ10B	
D9038	8-719-977-28	DIODE DTZ10B	
D9058	8-719-069-60	DIODE UDZSNPTE-179.1B	
D9059	8-719-069-60	DIODE UDZSNPTE-179.1B	
		< SOCKET >	
J2901	1-750-264-31	JACK	
J9006	1-794-442-21	TERMINAL BLOCK (LIGHT ANGLE),S	
		< RESISTOR >	
R2901	1-220-259-11	METAL CHIP 150 5% 1/4W	
R2902	1-220-259-11	METAL CHIP 150 5% 1/4W	
R2903	1-220-259-11	METAL CHIP 150 5% 1/4W	
R2904	1-220-259-11	METAL CHIP 150 5% 1/4W	
R9104	1-218-285-11	METAL CHIP 75 5% 1/10W	
R9105	1-216-811-11	METAL CHIP 150 5% 1/10W	
R9109	1-216-811-11	METAL CHIP 150 5% 1/10W	
R9113	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9116	1-216-864-11	SHORT CHIP 0	
R9136	1-216-853-11	METAL CHIP 470K 5% 1/10W	

REF.NO.	PART.NO	DESCRIPTION	REMARK
R9137	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9138	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9139	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9142	1-216-864-11	SHORT CHIP 0	
R9853	1-216-864-11	SHORT CHIP 0	
R9854	1-216-864-11	SHORT CHIP 0	
		< VARISTOR >	
VD9023	1-803-974-21	VARISTOR, CHIP	(1608)
VD9024	1-803-974-21	VARISTOR, CHIP	(1608)

***A-1247-113-A H3 Board Complete (32 inches)**
***A-1247-117-A H3P Board Complete (40 inches)**

		< CAPACITOR >	
C9301	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9302	1-119-667-11	CERAMIC CHIP 22UF	10V
		< CONNECTOR >	
CN9300	1-770-627-21	PIN, CONNECTOR 10P	
		< DIODE >	
D9302	8-719-085-26	DIODE CL-165HR/SYG-D-T	
D9309	8-719-036-94	DIODE RD5.6SB-T1	
D9312	6-500-817-01	DIODE (LED) SML-512UWT86	
D9313	8-719-078-21	DIODE SML-310PTT86	
		< IC >	
IC9300	6-600-606-01	IC RPM7540-H8	
		< TRANSISTOR >	
Q9300	8-729-907-00	TRANSISTOR DTC114EU	
Q9301	8-729-907-00	TRANSISTOR DTC114EU	
Q9302	8-729-907-00	TRANSISTOR DTC114EU	
Q9303	8-729-907-00	TRANSISTOR DTC114EU	
		< RESISTOR >	
R9300	1-216-820-11	METAL CHIP 820 5% 1/10W	
R9301	1-216-819-11	METAL CHIP 680 5% 1/10W	
R9306	1-216-817-11	METAL CHIP 470 5% 1/10W	
R9307	1-216-805-11	METAL CHIP 47 5% 1/10W	
R9309	1-216-818-11	METAL CHIP 560 5% 1/10W	
R9310	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9311	1-216-818-11	METAL CHIP 560 5% 1/10W	

REF.NO.	PART.NO	DESCRIPTION	REMARK

***A-1247-112-A A1 Board Complete (32 inches)**
***A-1247-116-A A1P Board Complete (40 inches)**

*	2-586-040-02	SHIELD CASE, IFOB (MAIN)	
*	2-586-041-01	SHIELD CASE, IFOB (TOP)	
		< CAPACITOR >	
C1000	1-126-947-11	ELECT 47UF	20.00% 35V
C1001	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1100	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1102	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V
C1103	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V
C1104	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1105	1-126-968-11	ELECT 100UF	20.00% 50V
C1106	1-126-916-11	ELECT 1000UF	20.00% 6.3V
C1107	1-165-621-91	CERAMIC CHIP 0.1UF	50V
C1108	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1200	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1202	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1203	1-104-662-91	ELECT 22UF	20.00% 25V
C1204	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1205	1-164-392-11	CERAMIC CHIP 390PF	5.00% 50V
C1206	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1207	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1208	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C1209	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C1210	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C1211	1-131-664-91	CERAMIC CHIP 0.15UF	10% 10V
C1213	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C1216	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C1218	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1219	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C1220	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C1221	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C1222	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C1223	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1226	1-162-961-11	CERAMIC CHIP 330PF	10.00% 50V
C1227	1-126-933-11	ELECT 100UF	20.00% 16V
C2000	1-126-933-11	ELECT 100UF	20.00% 16V
C2025	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2026	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2027	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2028	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2043	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2044	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2048	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2049	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2053	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2054	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2055	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C2056	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2057	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2058	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2059	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2060	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2065	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2066	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2067	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2068	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2069	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2070	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2071	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2072	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2073	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2074	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C2079	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2080	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2081	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2084	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2085	1-117-370-11	CERAMIC CHIP 10UF	10V
C2086	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2087	1-117-370-11	CERAMIC CHIP 10UF	10V
		< CONNECTOR >	
CN2021	* 1-417-602-11	SOCKET 21PIN	
CN2022	1-819-390-51	FFC/FPC CONNECTOR (ZIF) 49P	
CN2023	* 1-417-602-11	SOCKET 21PIN	
CN2024	1-820-255-51	FFC/FPC CONNECTOR (ZIF) 20P	
		< DIODE >	
D1100	8-719-069-55	DIODE UDZSNPTE-175.6B	
D1101	8-719-083-87	DIODE UDZSNPTE-1733B	
D1102	8-719-069-55	DIODE UDZSNPTE-175.6B	
D1200	8-719-050-38	DIODE M1MA152WK-T1	
D2021	8-719-083-82	DIODE UDZSNPTE-1712B	
D2022	8-719-083-82	DIODE UDZSNPTE-1712B	
D2023	8-719-083-82	DIODE UDZSNPTE-1712B	
D2024	8-719-083-82	DIODE UDZSNPTE-1712B	
D2025	8-719-083-63	DIODE UDZSNPTE-1713B	
D2026	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2027	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2028	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2029	8-719-069-55	DIODE UDZSNPTE-175.6B	
D2030	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2031	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2037	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2038	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2039	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2040	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2041	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2042	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2043	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2044	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2045	8-719-083-63	DIODE UDZSNPTE-1713B	
D2046	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2047	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2048	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2049	8-719-069-55	DIODE UDZSNPTE-175.6B	
D2050	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2052	8-719-083-63	DIODE UDZSNPTE-1713B	
D2058	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2059	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2061	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2062	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2063	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2064	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2065	8-719-069-55	DIODE UDZSNPTE-175.6B	
D2066	8-719-069-55	DIODE UDZSNPTE-175.6B	
D2067	8-719-069-55	DIODE UDZSNPTE-175.6B	
D2068	8-719-069-60	DIODE UDZSNPTE-179.1B	
D2069	8-719-069-55	DIODE UDZSNPTE-175.6B	
D2070	8-719-069-55	DIODE UDZSNPTE-175.6B	
D2071	8-719-069-55	DIODE UDZSNPTE-175.6B	
ET6501	1-780-336-11	EARTH TERMINAL	
ET6502	1-780-336-11	EARTH TERMINAL	
		< FERRITE BEAD >	
FB1100	1-469-185-11	FERRITE	0UH
FB1101	1-469-185-11	FERRITE	0UH
		< IC >	
IC1000	6-704-465-01	IC MC74LVX8053DTR2	
IC1200	6-704-747-01	IC TDA9886TS/V4,118	
IC2000	8-759-385-76	IC MC14052 BDR2	
		< SOCKET >	
J2021	1-819-327-31	PHONO JACK 2P	
J2022	1-819-327-31	PHONO JACK 2P	
J2023	1-820-021-11	JACK	
J2024	1-819-354-31	PHONO JACK 5P	
		< COIL >	
L1000	1-414-183-41	INDUCTOR	10UH
L1000	1-414-934-21	INDUCTOR	10UH
L1100	1-412-987-31	INDUCTOR	4.7UH
L1101	1-412-987-31	INDUCTOR	4.7UH
L1102	1-414-580-21	INDUCTOR	100NH
L1103	1-414-580-21	INDUCTOR	100NH
L1104	1-414-183-41	INDUCTOR	10UH

REF.NO.	PART.NO	DESCRIPTION			REMARK
L1104	1-414-934-21	INDUCTOR	10UH		
L1105	1-414-580-21	INDUCTOR	100NH		
L1107	1-414-183-41	INDUCTOR	10UH		
L1107	1-414-934-21	INDUCTOR	10UH		
L1200	1-414-183-41	INDUCTOR	10UH		
L1200	1-414-934-21	INDUCTOR	10UH		
L1201	1-410-993-42	INDUCTOR	1UH		
L1223	1-410-509-11	INDUCTOR	10UH		
L2000	1-414-183-41	INDUCTOR	10UH		
L2000	1-414-934-21	INDUCTOR	10UH		
		< TRANSISTOR >			
Q1200	8-729-010-29	TRANSISTOR MSD601-RST1			
Q1201	8-729-421-19	TRANSISTOR UN2213			
Q1202	8-729-421-19	TRANSISTOR UN2213			
Q1203	8-729-422-33	TRANSISTOR 2SD601A-Q-TX			
Q1204	8-729-421-19	TRANSISTOR UN2213			
Q1205	8-729-010-05	TRANSISTOR MSB709-RT1			
Q2000	8-729-010-29	TRANSISTOR MSD601-RST1			
Q2001	8-729-010-29	TRANSISTOR MSD601-RST1			
Q2002	8-729-010-05	TRANSISTOR MSB709-RT1			
Q2003	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q2004	8-729-010-05	TRANSISTOR MSB709-RT1			
Q2005	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
		< RESISTOR >			
R1001	1-216-809-11	METAL CHIP	100	5%	1/10W
R1002	1-216-809-11	METAL CHIP	100	5%	1/10W
R1003	1-216-864-11	SHORT CHIP	0		
R1004	1-216-864-11	SHORT CHIP	0		
R1006	1-216-864-11	SHORT CHIP	0		
R1007	1-216-864-11	SHORT CHIP	0		
R1008	1-216-864-11	SHORT CHIP	0		
R1009	1-216-864-11	SHORT CHIP	0		
R1010	1-216-864-11	SHORT CHIP	0		
R1101	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1201	1-216-835-11	METAL CHIP	15K	5%	1/10W
R1202	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1203	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1204	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1206	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1207	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1208	1-216-864-11	SHORT CHIP	0		
R1210	1-216-817-11	METAL CHIP	470	5%	1/10W
R1212	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1213	1-216-811-11	METAL CHIP	150	5%	1/10W
R1214	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1215	1-216-817-11	METAL CHIP	470	5%	1/10W
R1216	1-216-834-11	METAL CHIP	12K	5%	1/10W
R1217	1-216-864-11	SHORT CHIP	0		

REF.NO.	PART.NO	DESCRIPTION			REMARK
R1218	1-216-809-11	METAL CHIP	100	5%	1/10W
R1219	1-216-864-11	SHORT CHIP	0		
R1220	1-216-809-11	METAL CHIP	100	5%	1/10W
R1221	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1222	1-216-813-11	METAL CHIP	220	5%	1/10W
R1223	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R1224	1-216-809-11	METAL CHIP	100	5%	1/10W
R1225	1-216-864-11	SHORT CHIP	0		
R1226	1-216-819-11	METAL CHIP	680	5%	1/10W
R1228	1-216-864-11	SHORT CHIP	0		
R1229	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1230	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R1232	1-216-807-11	METAL CHIP	68	5%	1/10W
R1233	1-216-807-11	METAL CHIP	68	5%	1/10W
R1234	1-216-814-11	METAL CHIP	270	5%	1/10W
R1235	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1237	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1238	1-216-864-11	SHORT CHIP	0		
R1239	1-216-812-11	METAL CHIP	180	5%	1/10W
R1240	1-216-801-11	METAL CHIP	22	5%	1/10W
R1241	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-864-11	SHORT CHIP	0		
R1302	1-216-864-11	SHORT CHIP	0		
R1305	1-216-864-11	SHORT CHIP	0		
R1306	1-216-864-11	SHORT CHIP	0		
R1307	1-216-864-11	SHORT CHIP	0		
R1308	1-216-864-11	SHORT CHIP	0		
R2000	1-216-809-11	METAL CHIP	100	5%	1/10W
R2001	1-216-809-11	METAL CHIP	100	5%	1/10W
R2002	1-216-809-11	METAL CHIP	100	5%	1/10W
R2003	1-216-809-11	METAL CHIP	100	5%	1/10W
R2004	1-216-864-11	SHORT CHIP	0		
R2005	1-216-864-11	SHORT CHIP	0		
R2006	1-216-809-11	METAL CHIP	100	5%	1/10W
R2007	1-216-864-11	SHORT CHIP	0		
R2008	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2009	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2010	1-216-809-11	METAL CHIP	100	5%	1/10W
R2011	1-216-809-11	METAL CHIP	100	5%	1/10W
R2012	1-216-809-11	METAL CHIP	100	5%	1/10W
R2013	1-216-809-11	METAL CHIP	100	5%	1/10W
R2014	1-216-809-11	METAL CHIP	100	5%	1/10W
R2015	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2016	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2017	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2018	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2019	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2020	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2021	1-216-295-91	SHORT CHIP	0		
R2022	1-216-815-11	METAL CHIP	330	5%	1/10W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R2023	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2024	1-216-815-11	METAL CHIP	330	5%	1/10W
R2025	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2026	1-216-022-00	RES-CHIP	75	5%	1/10W
R2028	1-216-022-00	RES-CHIP	75	5%	1/10W
R2029	1-216-022-00	RES-CHIP	75	5%	1/10W
R2030	1-216-022-00	RES-CHIP	75	5%	1/10W
R2031	1-216-022-00	RES-CHIP	75	5%	1/10W
R2032	1-216-815-11	METAL CHIP	330	5%	1/10W
R2033	1-216-815-11	METAL CHIP	330	5%	1/10W
R2034	1-216-813-11	METAL CHIP	220	5%	1/10W
R2035	1-216-864-11	SHORT CHIP	0		
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W
R2037	1-216-864-11	SHORT CHIP	0		
R2038	1-216-864-11	SHORT CHIP	0		
R2039	1-216-864-11	SHORT CHIP	0		
R2040	1-216-864-11	SHORT CHIP	0		
R2041	1-216-864-11	SHORT CHIP	0		
R2042	1-216-864-11	SHORT CHIP	0		
R2043	1-216-864-11	SHORT CHIP	0		
R2044	1-216-864-11	SHORT CHIP	0		
R2045	1-216-864-11	SHORT CHIP	0		
R2046	1-216-864-11	SHORT CHIP	0		
R2047	1-216-864-11	SHORT CHIP	0		
R2048	1-216-864-11	SHORT CHIP	0		
R2049	1-216-864-11	SHORT CHIP	0		
R2050	1-216-864-11	SHORT CHIP	0		
R2051	1-216-864-11	SHORT CHIP	0		
R2052	1-216-864-11	SHORT CHIP	0		
R2053	1-216-864-11	SHORT CHIP	0		
R2054	1-216-864-11	SHORT CHIP	0		
R2055	1-216-864-11	SHORT CHIP	0		
R2056	1-216-864-11	SHORT CHIP	0		
R2057	1-216-864-11	SHORT CHIP	0		
R2058	1-216-864-11	SHORT CHIP	0		
R2059	1-216-864-11	SHORT CHIP	0		
R2060	1-216-864-11	SHORT CHIP	0		
R2061	1-216-864-11	SHORT CHIP	0		
R2062	1-216-864-11	SHORT CHIP	0		
R2063	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2064	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2065	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2066	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2067	1-216-025-11	RES-CHIP	100	5%	1/10W
R2068	1-216-033-00	RES-CHIP	220	5%	1/10W
R2069	1-216-025-11	RES-CHIP	100	5%	1/10W
R2070	1-216-025-11	RES-CHIP	100	5%	1/10W
R2071	1-216-025-11	RES-CHIP	100	5%	1/10W
R2072	1-216-022-00	RES-CHIP	75	5%	1/10W
R2073	1-216-025-11	RES-CHIP	100	5%	1/10W
R2074	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2075	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2076	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2077	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2078	1-216-864-11	SHORT CHIP	0		
R2079	1-216-864-11	SHORT CHIP	0		
R2080	1-216-864-11	SHORT CHIP	0		
R2081	1-216-864-11	SHORT CHIP	0		
R2082	1-216-295-91	SHORT CHIP	0		
R2083	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2084	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2085	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2086	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2087	1-216-022-00	RES-CHIP	75	5%	1/10W
R2088	1-216-022-00	RES-CHIP	75	5%	1/10W
R2089	1-216-022-00	RES-CHIP	75	5%	1/10W
R2090	1-216-022-00	RES-CHIP	75	5%	1/10W
R2091	1-216-022-00	RES-CHIP	75	5%	1/10W
R2092	1-216-815-11	METAL CHIP	330	5%	1/10W
R2093	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2094	1-216-815-11	METAL CHIP	330	5%	1/10W
R2095	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2097	1-216-864-11	SHORT CHIP	0		
R2098	1-216-864-11	SHORT CHIP	0		
R2099	1-216-864-11	SHORT CHIP	0		
R2100	1-216-864-11	SHORT CHIP	0		
R2101	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2102	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2103	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2104	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2105	1-216-025-11	RES-CHIP	100	5%	1/10W
R2106	1-216-033-00	RES-CHIP	220	5%	1/10W
R2107	1-216-025-11	RES-CHIP	100	5%	1/10W
R2108	1-216-025-11	RES-CHIP	100	5%	1/10W
R2109	1-216-025-11	RES-CHIP	100	5%	1/10W
R2110	1-216-022-00	RES-CHIP	75	5%	1/10W
R2111	1-216-025-11	RES-CHIP	100	5%	1/10W
R2112	1-216-809-11	METAL CHIP	100	5%	1/10W
R2113	1-216-809-11	METAL CHIP	100	5%	1/10W
R2114	1-216-809-11	METAL CHIP	100	5%	1/10W
R2115	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2116	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2117	1-216-864-11	SHORT CHIP	0		
R2118	1-216-864-11	SHORT CHIP	0		
R2119	1-216-029-00	RES-CHIP	150	5%	1/10W
R2120	1-216-029-00	RES-CHIP	150	5%	1/10W
R2121	1-216-029-00	RES-CHIP	150	5%	1/10W
R2122	1-216-025-11	RES-CHIP	100	5%	1/10W
R2123	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2124	1-216-029-00	RES-CHIP	150	5%	1/10W

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.		PART.NO	DESCRIPTION			REMARK
R2125		1-216-029-00	RES-CHIP	150	5%	1/10W
R2126		1-216-029-00	RES-CHIP	150	5%	1/10W
R2127		1-216-049-11	RES-CHIP	1K	5%	1/10W
R2129		1-216-864-11	SHORT CHIP	0		
R2132		1-216-864-11	SHORT CHIP	0		
R2134		1-216-840-11	METAL CHIP	39K	5%	1/10W
R2135		1-216-833-11	METAL CHIP	10K	5%	1/10W
R2136		1-216-811-11	METAL CHIP	150	5%	1/10W
R2137		1-216-817-11	METAL CHIP	470	5%	1/10W
R2138		1-216-811-11	METAL CHIP	150	5%	1/10W
R2139		1-216-811-11	METAL CHIP	150	5%	1/10W
R2140		1-216-817-11	METAL CHIP	470	5%	1/10W
R2141		1-216-811-11	METAL CHIP	150	5%	1/10W
R2142		1-216-840-11	METAL CHIP	39K	5%	1/10W
R2143		1-216-833-11	METAL CHIP	10K	5%	1/10W
R2145		1-216-864-11	SHORT CHIP	0		
R2147		1-216-864-11	SHORT CHIP	0		
			< SWITCH >			
SW1200		1-795-617-11	SAW FILTER			
SW1201		1-767-083-11	FILTER, SURFACE WAVE			
			< TUNER >			
TU1300		8-597-585-10	TUNER, FSS BTP-HC401			
			< CRYSTAL >			
X1200		1-767-704-11	VIBRATOR, CRYSTAL			

***A-1189-415-A G1 Board Complete (32 inches only)**

		2-409-877-21	WASHER (3X10), RS TITE SPRING			
			< CAPACITOR >			
C6000	⚠	1-113-924-11	CERAMIC	0.0047UF	20.00%	250V
C6001	⚠	1-161-964-91	CERAMIC	0.0047UF		250V
C6002	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6003	⚠	1-165-529-11	MYLAR	0.22UF	10	275V
C6004	⚠	1-165-530-11	MYLAR	0.47UF	10	275V
C6005	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6006	⚠	1-161-964-91	CERAMIC	0.0047UF		250V
C6007	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6008	⚠	1-117-752-11	ELECT(BLOCK)	330UF	20%	450V
C6009		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6010		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6011		1-107-888-11	ELECT	47UF	20%	25V
C6012	⚠	1-119-892-51	CERAMIC	470PF	10.00%	250V
C6013		1-100-831-91	CERAMIC CHIP	0.001UF	2%	50V
C6014		1-107-905-11	ELECT	4.7UF	20%	50V
C6015		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6016		1-107-906-11	ELECT	10UF	20%	50V
C6018		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6019		1-107-888-11	ELECT	47UF	20%	25V
C6020		1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6021		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6022		1-107-824-11	CERAMIC	220PF	5.00%	1KV
C6023		1-107-824-11	CERAMIC	220PF	5.00%	1KV
C6024		1-165-610-11	FILM	33000PF	3%	800V
C6025		1-107-902-11	ELECT	1UF	20%	50V
C6027		1-107-902-11	ELECT	1UF	20%	50V
C6028		1-107-930-11	ELECT	22UF	20%	100V
C6029		1-128-960-31	ELECT	1500UF	20%	35V
C6030		1-128-951-21	ELECT	2200UF	20%	16V
C6031		1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	25V
C6032		1-107-930-11	ELECT	22UF	20%	100V
C6033		1-165-744-11	ELECT	1200UF	20%	35V
C6034		1-165-744-11	ELECT	1200UF	20%	35V
C6039		1-128-950-21	ELECT	1000UF	20%	16V
C6040		1-128-960-31	ELECT	1500UF	20%	35V
C6200		1-112-744-52	MYLAR	1UF	10%	450V
C6201		1-109-879-11	CERAMIC	22PF	5.00%	2KV
C6202		1-107-905-11	ELECT	4.7UF	20%	50V
C6203		1-107-906-11	ELECT	10UF	20%	50V
C6204		1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
C6205		1-107-909-11	ELECT	47UF	20%	50V
C6206		1-104-331-11	CERAMIC	0.0022UF	10.00%	1KV
C6207		1-162-115-00	CERAMIC	330PF	10.00%	1KV
C6208		1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6209		1-119-886-51	CERAMIC	470PF	10.00%	250V
C6209		1-119-892-51	CERAMIC	470PF	10.00%	250V
C6210		1-131-872-91	CERAMIC CHIP	1000PF	10%	630V
C6211		1-128-945-31	ELECT	1000UF	20%	10V
C6212		1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V
C6300		1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C6301		1-126-960-11	ELECT	1UF	20.00%	50V
C6302		1-164-230-11	CERAMIC CHIP	220PF	5.00%	50V
C6303		1-126-960-11	ELECT	1UF	20.00%	50V
C6304		1-128-952-31	ELECT	220UF	20%	25V
C6306		1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C6307		1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
C6308		1-128-959-31	ELECT	1000UF	20%	35V
C6309		1-128-959-31	ELECT	1000UF	20%	35V
C6310		1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C6311		1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C6312		1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C6313		1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C6315		1-164-227-11	CERAMIC CHIP	0.022UF	10.00%	25V
C6316		1-107-907-11	ELECT	22UF	20%	50V

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.		PART.NO	DESCRIPTION	REMARK
			< CONNECTOR >	
CN6000	⚠	*1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
CN6002		*1-785-705-11	PIN, CONNECTOR (PC BOARD) 9P	
CN6003		*1-793-235-11	PIN, CONNECTOR (PC BOARD) 13P	
CN6200		*1-785-703-21	PIN, CONNECTOR (PC BOARD) 6P	
CN6300		*1-564-507-11	PLUG, CONNECTOR 4P	
			< DIODE >	
D6000		8-719-510-53	DIODE D4SB60L	
D6004		8-719-082-03	DIODE MM3Z15VT1	
D6005		8-719-081-97	DIODE MMDL914T1	
D6006		8-719-082-03	DIODE MM3Z15VT1	
D6007		8-719-082-03	DIODE MM3Z15VT1	
D6008		8-719-979-64	DIODE UF4005/23	
D6009		8-719-082-03	DIODE MM3Z15VT1	
D6010		8-719-082-03	DIODE MM3Z15VT1	
D6011		6-501-505-01	DIODE FCH08U10	
D6011		6-501-604-01	DIODE FMEN-210A (EN)	
D6012		8-719-310-56	DIODE FMB-29L	
D6013		6-500-567-31	DIODE 10ERB20-TB3	
D6014		6-501-505-01	DIODE FCH08U10	
D6014		6-501-604-01	DIODE FMEN-210A (EN)	
D6015		6-500-567-31	DIODE 10ERB20-TB3	
D6018		8-719-310-56	DIODE FMB-29L	
D6019		8-719-083-70	DIODE UDZSNPTE-1727B	
D6023		8-719-083-87	DIODE UDZSNPTE-1733B	
D6200		8-719-083-60	DIODE UDZSNPTE-174.7B	
D6201		8-719-081-97	DIODE MMDL914T1	
D6202		6-500-567-31	DIODE 10ERB20-TB3	
D6203		6-501-297-01	DIODE 1F6G	
D6203		8-719-948-45	DIODE ERA22-08	
D6204		8-719-080-75	DIODE M1FL20U-4063	
D6300		8-719-069-55	DIODE UDZSNPTE-175.6B	
D6302		8-719-069-55	DIODE UDZSNPTE-175.6B	
ET6000		1-537-770-21	TERMINAL BOARD, GROUND	
			< FUSE >	
F6000	⚠	1-576-231-51	FUSE 4A 250V	
FH6000	⚠	1-533-725-21	FUSE HOLDER 6.3A 250V	
			< IC >	
IC6000		6-705-810-01	IC MCZ3001DB	
IC6001		6-709-368-01	IC MM1431ATT (CN)	
IC6002		8-759-586-17	IC TL1431CZ-AP	
IC6200		6-600-279-01	IC STR-A6169	
IC6201		6-709-368-01	IC MM1431ATT (CN)	
IC6300		8-759-831-57	IC TDA7495S	

REF.NO.		PART.NO	DESCRIPTION	REMARK
			< COIL >	
L6000	⚠	1-456-507-12	LINE FILTER COIL	
L6001	⚠	1-457-243-11	INDUCTOR 37MH	
L6001		1-457-243-21	INDUCTOR 38MH	
L6004		1-406-971-11	INDUCTOR 10UH	
L6005		1-406-971-11	INDUCTOR 10UH	
L6006	⚠	1-456-507-12	LINE FILTER COIL	
			< PHOTOCOUPLER >	
PH6000		6-600-187-01	PHOTO COUPLER PC123Y22J00F	
PH6001		6-600-187-01	PHOTO COUPLER PC123Y22J00F	
PH6002		6-600-187-01	PHOTO COUPLER PC123Y22J00F	
PH6200		6-600-187-01	PHOTO COUPLER PC123Y22J00F	
			< PROTECTOR MODULE >	
PS6000	⚠	1-533-596-21	IC LINK 4A 90V	
PS6001	⚠	1-533-596-21	IC LINK 4A 90V	
PS6002	⚠	1-533-595-31	IC LINK 3.15A 90V	
			< TRANSISTOR >	
Q6000		8-729-010-29	TRANSISTOR MSD601-RST1	
Q6001		8-729-010-08	TRANSISTOR MSB710-R	
Q6002		8-729-010-29	TRANSISTOR MSD601-RST1	
Q6003		6-551-545-01	TRANSISTOR 2SK3469-01MR-F111	
Q6004		6-551-545-01	TRANSISTOR 2SK3469-01MR-F111	
Q6005		8-729-010-29	TRANSISTOR MSD601-RST1	
Q6006		8-729-010-25	TRANSISTOR MSD601-RT1	
Q6007		8-729-010-05	TRANSISTOR MSB709-RT1	
Q6302		8-729-010-29	TRANSISTOR MSD601-RST1	
Q6303		8-729-010-05	TRANSISTOR MSB709-RT1	
			< RESISTOR >	
JR6000		1-216-295-91	SHORT CHIP 0	
JR6001		1-216-295-91	SHORT CHIP 0	
JR6300		1-216-864-11	SHORT CHIP 0	
JR6301		1-216-864-11	SHORT CHIP 0	
JR6302		1-216-864-11	SHORT CHIP 0	
JR6303		1-216-864-11	SHORT CHIP 0	
JR6313		1-216-295-91	SHORT CHIP 0	
JR6314		1-216-295-91	SHORT CHIP 0	
JR6315		1-216-295-91	SHORT CHIP 0	
JR6316		1-216-295-91	SHORT CHIP 0	
JR6317		1-216-864-11	SHORT CHIP 0	
JR6318		1-216-864-11	SHORT CHIP 0	
R6002	⚠	1-219-759-11	METAL 1M 5% 1/2W	
R6009	⚠	1-202-933-61	FUSIBLE 0.1 10% 1/2W	
R6010		1-208-852-11	METAL CHIP 820K 0.5% 1/10W	
R6011		1-208-852-11	METAL CHIP 820K 0.5% 1/10W	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION			REMARK
R6012	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6013	1-208-852-11	METAL CHIP	820K	0.5%	1/10W
R6016	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6017	1-208-803-11	METAL CHIP	7.5K	0.5%	1/10W
R6018	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R6020	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R6022	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R6024	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6025	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6027	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6028	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R6029	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6030	1-249-393-11	CARBON	10	5%	1/4W
R6031	1-249-393-11	CARBON	10	5%	1/4W
R6033	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6035	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6036	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6037	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6038	1-216-864-11	SHORT CHIP	0		
R6039	1-216-864-11	SHORT CHIP	0		
R6040	1-245-494-21	METAL	2.2M	2%	1/4W
R6041	1-245-494-21	METAL	2.2M	2%	1/4W
R6042	1-216-817-11	METAL CHIP	470	5%	1/10W
R6043	1-245-315-71	METAL OXIDE	0.1	5%	2W
R6044	1-216-864-11	SHORT CHIP	0		
R6045	1-245-315-71	METAL OXIDE	0.1	5%	2W
R6046	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6047	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6048	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6049	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6050	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6051	1-249-377-11	CARBON	0.47	5%	1/4W
R6052	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6053	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6054	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6055	1-216-864-11	SHORT CHIP	0		
R6057	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R6058	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6061	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6062	1-218-849-11	METAL CHIP	1.2K	0.5%	1/10W
R6063	1-218-868-11	METAL CHIP	7.5K	0.5%	1/10W
R6064	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R6066	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6068	1-260-332-51	CARBON	2.2K	5%	1/2W
R6201	1-216-353-00	METAL OXIDE	2.2	5%	1W
R6202	1-216-864-11	SHORT CHIP	0		
R6203	1-216-864-11	SHORT CHIP	0		
R6204	1-249-393-11	CARBON	10	5%	1/4W
R6205	1-243-725-21	METAL OXIDE	100K	5%	1W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R6206	1-216-817-11	METAL CHIP	470	5%	1/10W
R6207	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6208	1-216-864-11	SHORT CHIP	0		
R6209	1-216-839-11	METAL CHIP	33K	5%	1/10W
R6210	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R6211	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R6212	1-216-295-91	SHORT CHIP	0		
R6213	1-216-295-91	SHORT CHIP	0		
R6220	1-249-389-11	CARBON	4.7	5%	1/4W
R6304	1-216-846-11	METAL CHIP	120K	5%	1/10W
R6306	1-216-846-11	METAL CHIP	120K	5%	1/10W
R6308	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6309	1-216-049-11	RES-CHIP	1K	5%	1/10W
R6313	1-216-864-11	SHORT CHIP	0		
R6314	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6315	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6316	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6317	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6318	1-216-833-11	METAL CHIP	10K	5%	1/10W

< TRANSFORMER >

T6000	⚠	1-445-026-11	CONVERTER TRANSFORMER (PIT)
T6001	⚠	1-445-027-11	CONVERTER TRANSFORMER (PIT)
T6200	⚠	1-443-312-11	TRANSFORMER, CONVERTER (SBT)

< VARISTOR >

VD6000	⚠	1-804-995-11	VARISTOR

REF.NO.	PART.NO	DESCRIPTION	REMARK

ACCESSORIES AND CONNECTORS

*1-910-026-43	CONNECTOR ASSY 4P (40 in)	(CN6300(G)-(CN9856(H2))
*1-910-026-45	CONNECTOR ASSY 13P (32 in)	(CN6003(G1)-CN6500(B))
*1-910-026-46	CONNECTOR ASSY 14P (40 in)	(CN6005(G2)-(CN6500(B))
*1-910-026-52	CONNECTOR ASSY 6P (40 in)	(CN6003(G2)-CN6501(B))
*1-910-026-53	CONNECTOR ASSY 6P (32 in)	(CN6200(G1)-CN6501(B))
*1-910-026-57	CONNECTOR ASSY 9P	(CN3000(B)-CN9855(H2))
*1-910-026-60	CONNECTOR ASSY 32P (32 in)	(CN9857(H2)-SPEAKERS (1))
*1-910-026-61	CONNECTOR ASSY 40P (40 in)	(CN9857(H2)-SPEAKERS (1))
*1-910-026-62	CONNECTOR ASSY 4P (32 in)	(CN3002(B)-CN9000(H1))
*1-910-026-66	CONNECTOR ASSY 10P (32 in)	(CN3003(B)-CN9300(H3))
*1-910-026-67	FFC 49P FOLDER	(CN3005(B)-CN2022(A))
*1-910-026-71	CONNECTOR ASSY 4P (40 in)	(CN3002(B)-CN9000(H1))
*1-910-026-72	CONNECTOR ASSY 10P (40 in)	(CN3003(B)-CN9300(H3))
*1-910-032-60	CONNECTOR ASSY 14P (32 in)	(INVERTER-CN6002(G1),CN3004(B))
*1-910-032-62	LVDS 30P (32 in)	(CN3001(B)-PANEL(1))
*1-910-033-22	CONNECTOR ASSY 4P (32 in)	(CN6300(G)-CN9856(H2))
*1-910-034-72	CONNECTOR ASSY 14P (40 in)	(INVERTER-CN6004(G2),CN3004(B))
*1-910-034-96	FFC 20P FOLDED	(CN3006(B)-CN2024(A))
*1-910-039-89	LVDS 30P (40 in)	(CN3001(B)-PANEL(1))
*3-272-580-21	INSTRUCTION MANUAL	(GERMAN/FRENCH/ITALIAN/ DUTCH)
*3-272-580-31	INSTRUCTION MANUAL	(SPANISH/PORTUGUESE/ GREEK)
*3-271-932-21	INSTRUCTION MANUAL	(GERMAN/FRENCH/ITALIAN/ DUTCH)
*3-271-932-31	INSTRUCTION MANUAL	(SPANISH/PORTUGUESE/ GREEK)
*3-271-932-41	INSTRUCTION MANUAL	(ENGLISH/RUSSIAN/POLISH)
*3-271-932-51	INSTRUCTION MANUAL	(SWEDISH/DANISH/FINNISH/ NORWEGIAN)

REMOTE COMMANDER

1-479-847-11	REMOTE COMMANDER	(RM-ED007)

9-927-575-02

Sony Corporation
Sony UK
Service Promotions Dept.

English
08AP7100-1
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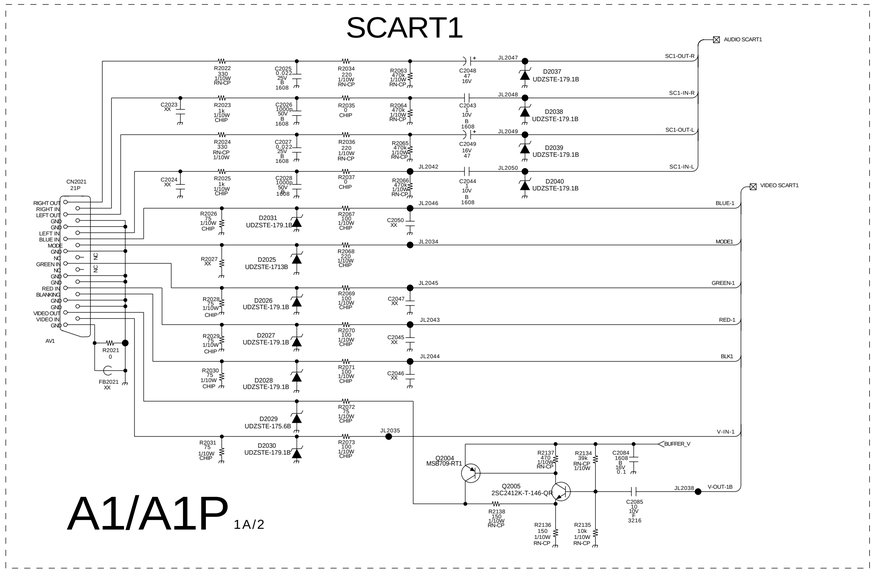
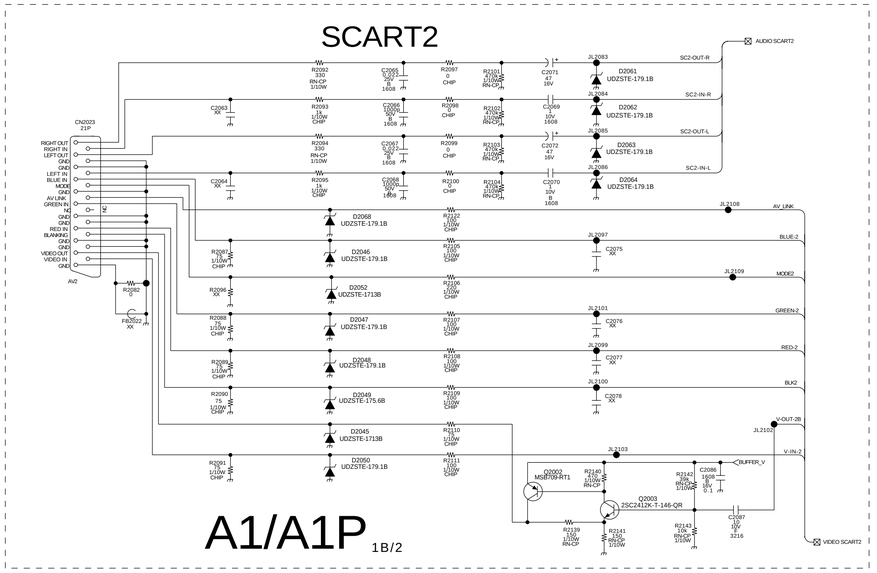
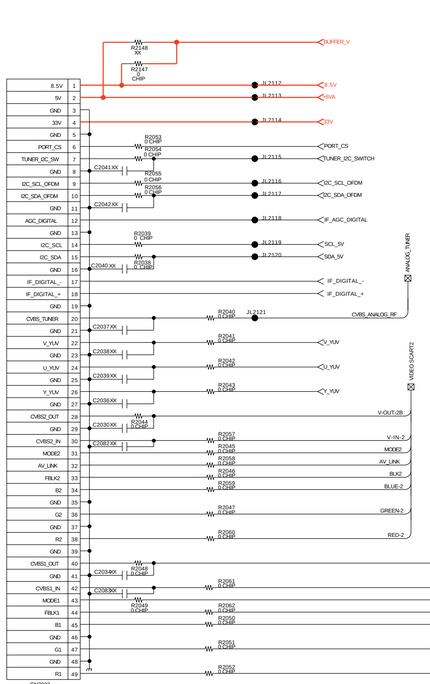
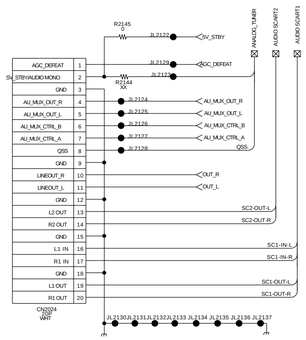




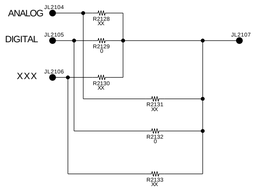




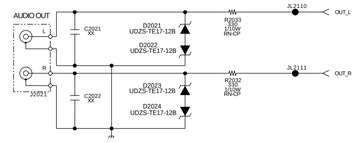
A / B BOARD CONNECTORS

A1/A1P 1C/2

BOARD DESCRIPTION

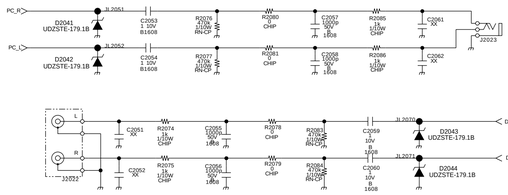


LINE OUT

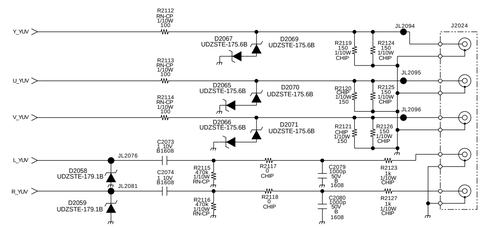


A1/A1P 1D/2 TUNER, I/O CONNECTORS & AV SWITCHING

DVI/PC AUDIO INPUT

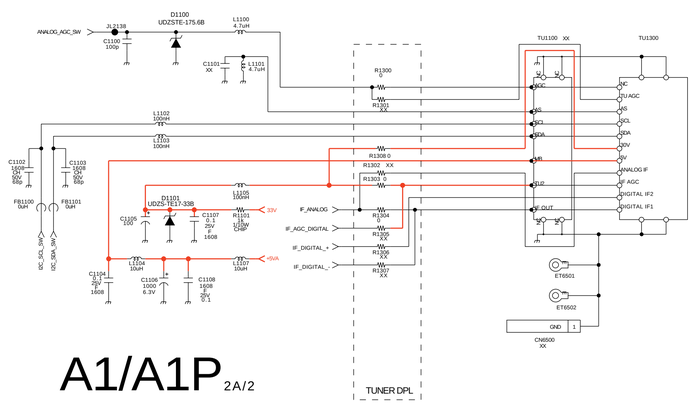


COMPONENT INPUT



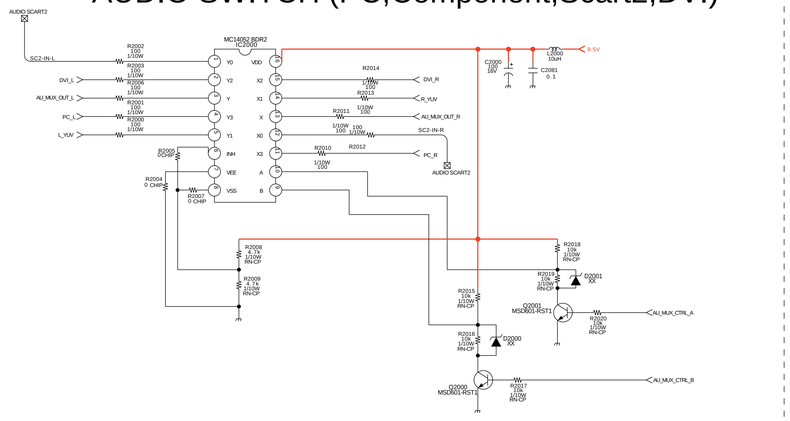
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

TUNER BLOCK (ANALOG / HYBRID dpl)



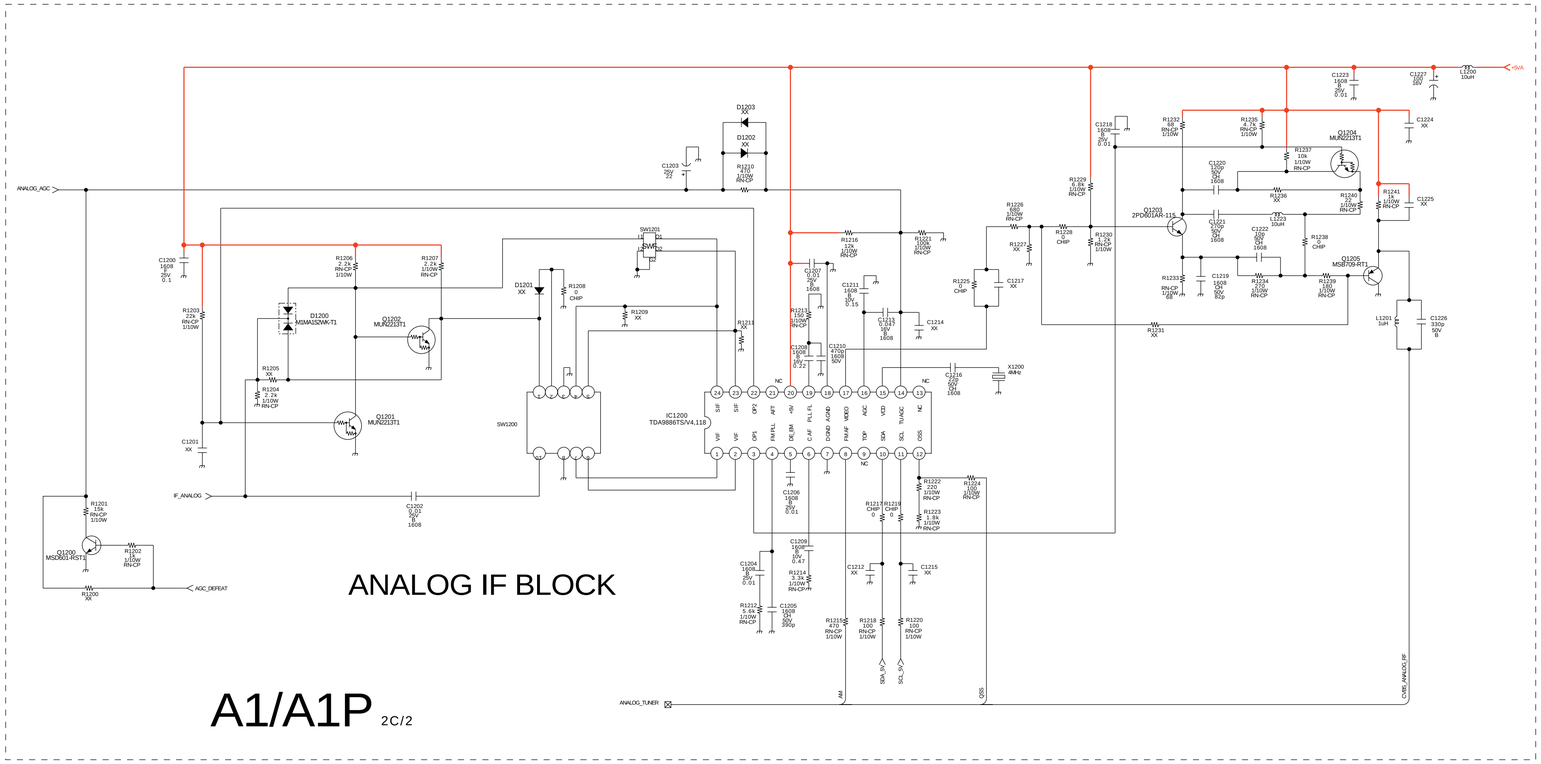
A1/A1P 2A/2

AUDIO SWITCH (PC,Component,Scart2,DVI)



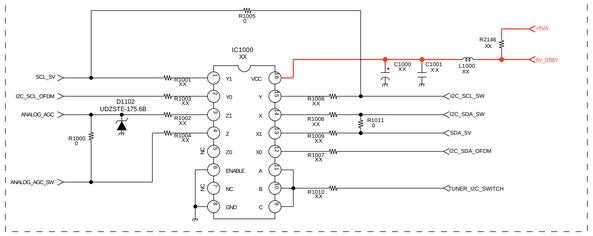
A1/A1P 2B/2

ANALOG IF BLOCK



A1/A1P 2C/2

I2C TUNER SWITCH (analog/digital)



SERVICE CONNECTOR

A1/A1P 2D/2

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

BDTR-2 1A/9

BDTR-2 1B/9

BDTR-2 1C/9

BDTR-2 1D/9 MAIN MICRO CONTROLLER, PANEL DRIVING, AUDIO & VIDEO PROCESSOR

THESE CAPACITORS TO BE PLACED UNDERNEATH RGA

THESE CAPACITORS TO BE PLACED UNDERNEATH RGA

THESE CAPACITORS TO BE PLACED UNDERNEATH RGA

THESE CAPACITORS TO BE PLACED UNDERNEATH RGA

THIS CAPACITOR TO BE PLACED UNDERNEATH RGA

THIS CAPACITOR TO BE PLACED UNDERNEATH RGA

DIFFERENTIAL PAIR SIGNALS

DIFFERENTIAL PAIR OF CLOCK SIGNALS

THIS CAPACITOR TO BE PLACED UNDERNEATH RGA

BOARD VERSION RESISTORS - MOUNT ON SIDE-A WITH JL'S ON SIDE-B

R5648	JL5634 OTHER
R5649	JL5635 ODM
R5650	JL5636 A A
R5651	JL5637 B B
JL5633	

ALL JIG LANDS TO BE PLACED ON SIDE B

NOTE: SYMBOL IS WRONG

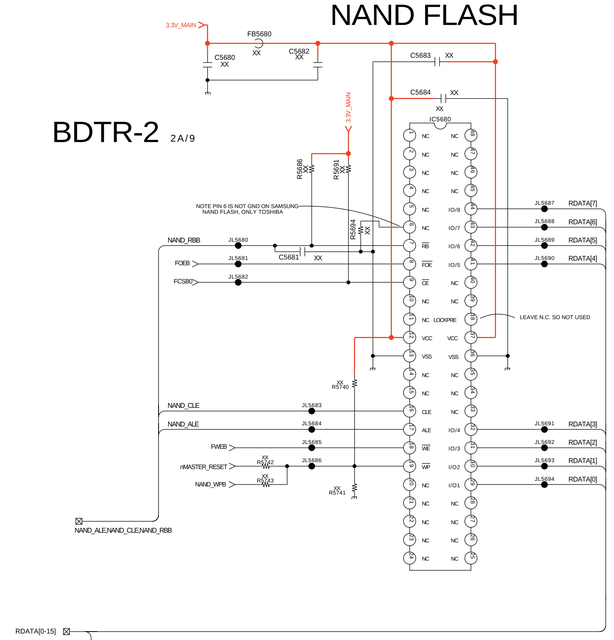
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

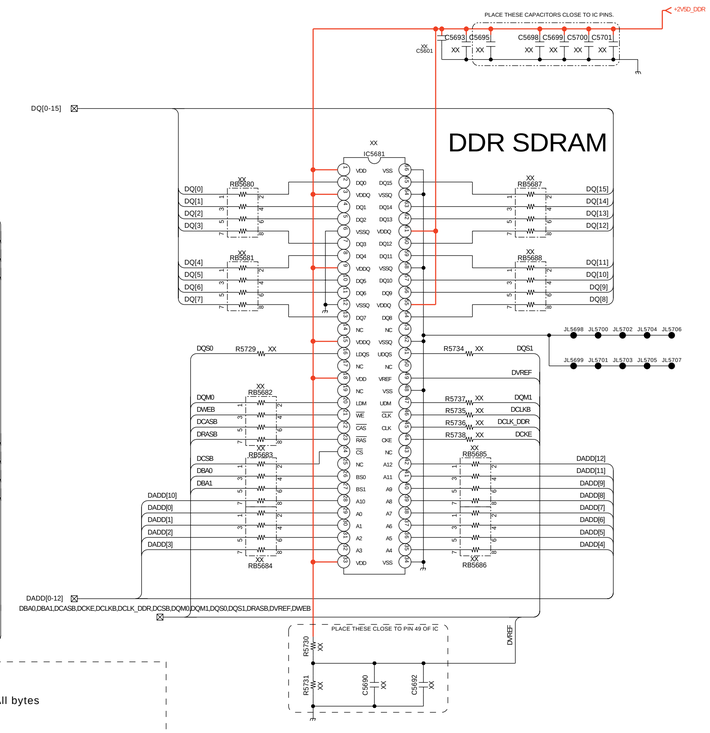
BDTR-2.SE1

BDTR-2 2A/9

NAND FLASH

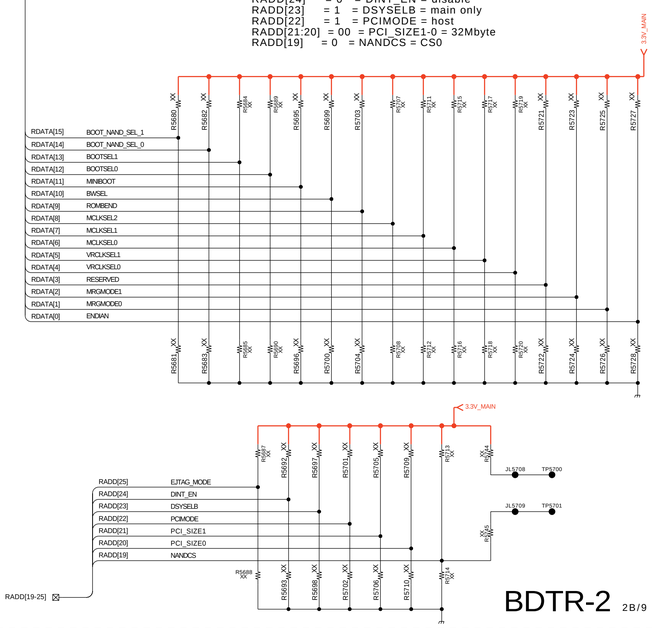


DDR SDRAM



STRAP PINS

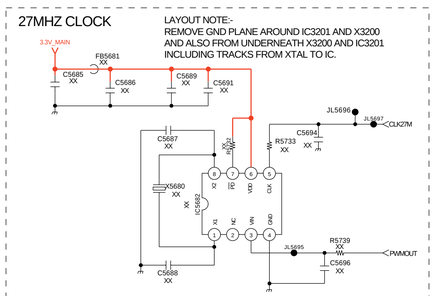
RDATA[0] = 1 = ENDIAN = Big Endian
RDATA[2:1] = 10 = MRGMODE1-0 = Full merge & All bytes
RDATA[3] = -- = RESERVED
RDATA[5:4] = 11 = VRCLKSEL1-0 = 201MHz
RDATA[8:6] = 101 = MCLKSEL2-0 = 187MHz
RDATA[9] = 1 = ROMBEND = Big Endian
RDATA[10] = 1 = BWSEL = 8bit
RDATA[11] = 1 = MINIBOOT = use miniboot
RDATA[13:12] = 11 = BOOTSEL1-0 = Nand, then Memory Stick
RDATA[15:14] = 00 = BOOT_NAND_SEL1-0 = <256mbit
RADD[25] = 1 = EJTAG_MODE = EJTAG
RADD[24] = 0 = DINT_EN = disable
RADD[23] = 1 = DSYSELB = main only
RADD[22] = 1 = PCIMODE = host
RADD[21:20] = 00 = PCI_SIZE1-0 = 32Mbyte
RADD[19] = 0 = NANDCS = CS0



BDTR-2 2B/9

PLEASE PLACE COMPONENTS IN THIS BOX IN SAME AREA ON PWB

27MHZ CLOCK



LAYOUT NOTE:-
REMOVE GND PLANE AROUND IC3201 AND X3200 AND ALSO FROM UNDERNEATH X3200 AND IC3201 INCLUDING TRACKS FROM XTAL TO IC.

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

BDTR-2.SE1

BDTR-2 3A/9

BDTR-2 3B/9

ADD[0:7]

ADD[8:14]

TS_IN[7:0] FROM COFDM

TS[7:0] TO DMX

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

BDTR-2 3A/9

BDTR-2 3B/9

ADD[0:7]

ADD[8:14]

TS_IN[7:0] FROM COFDM

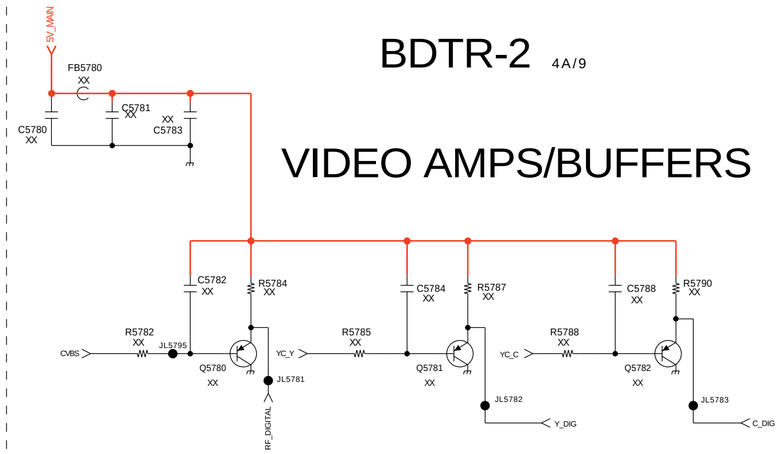
TS[7:0] TO DMX

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

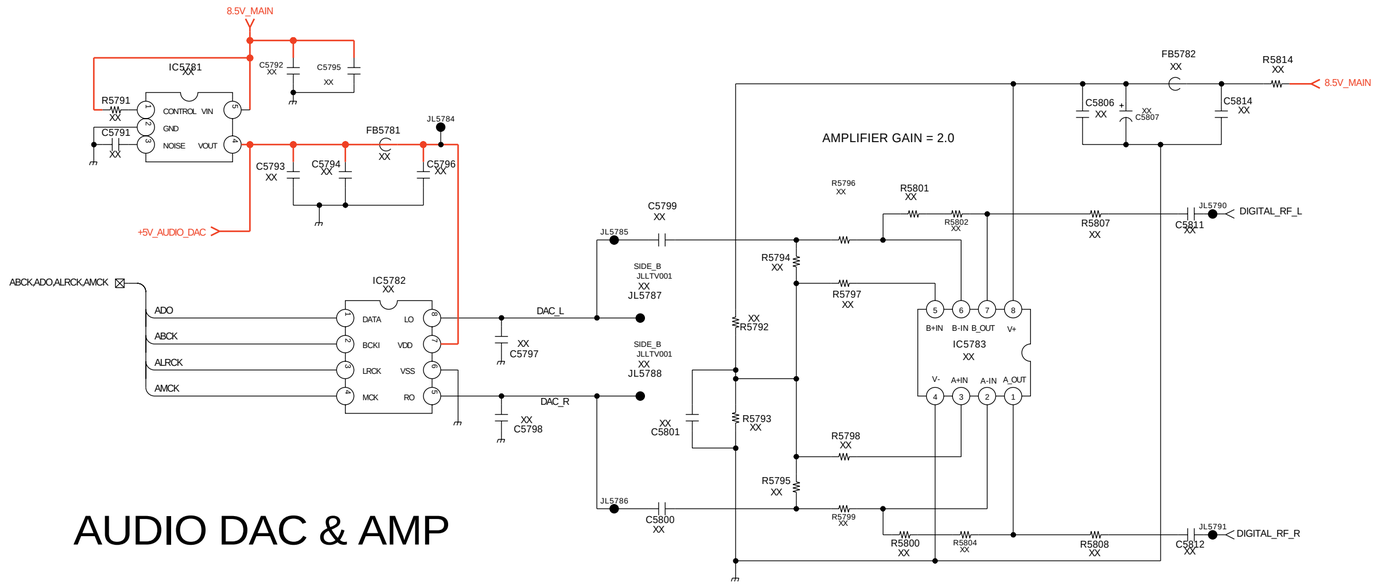
BDTR-2.SE1

BDTR-2 4A/9

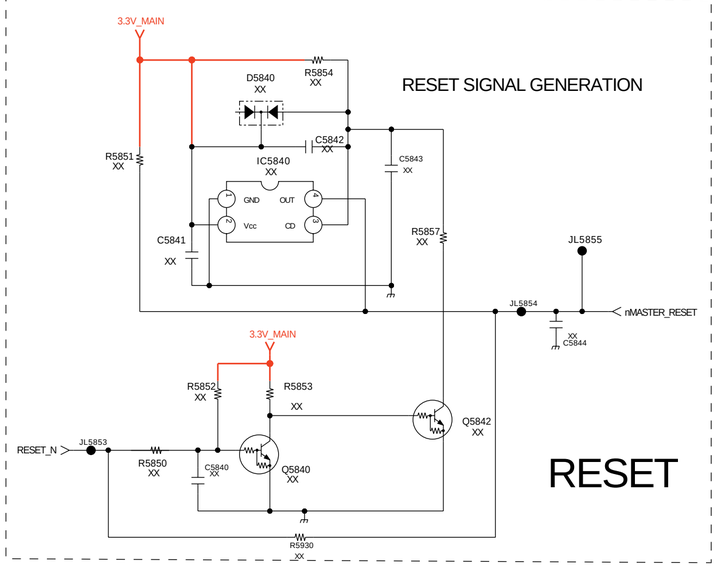
VIDEO AMPS/BUFFERS



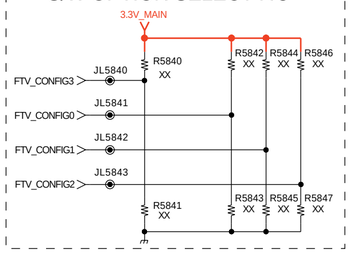
AUDIO DAC & AMP



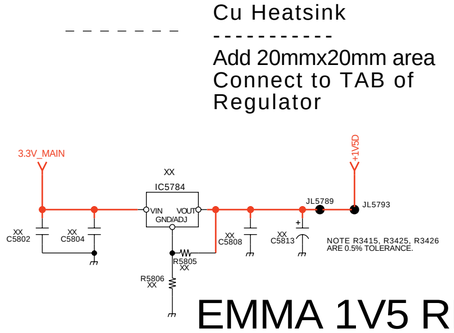
RESET



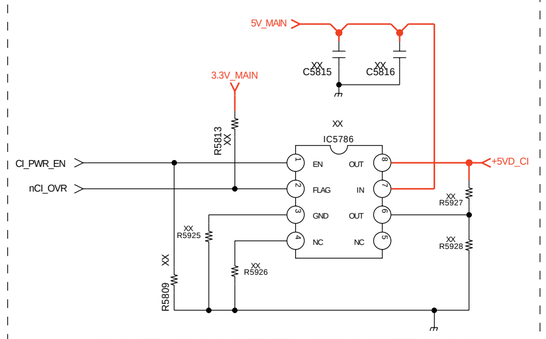
S/W OPTION SELECT R's



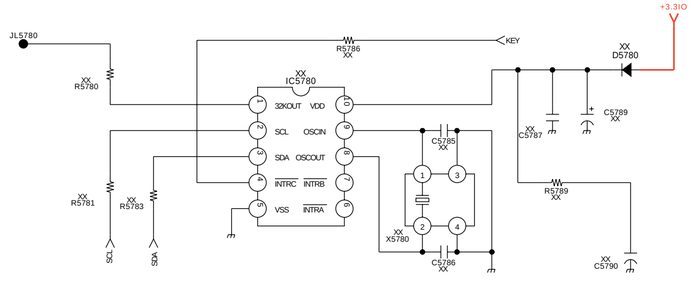
EMMA 1V5 REG

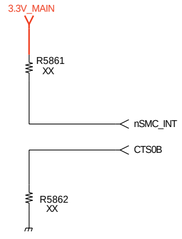


CI POWER SWITCH

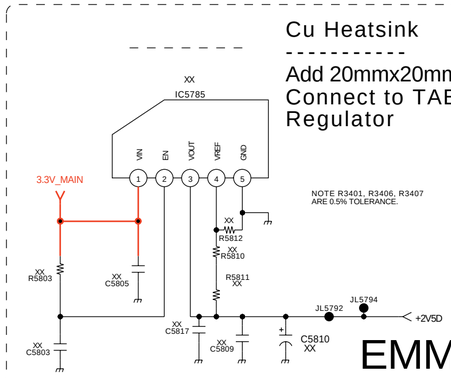


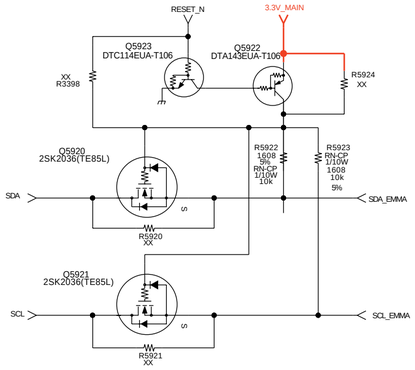
BDTR-2 4B/9





EMMA 2V5 REG





COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2 6A/9

BDTR-2 6B/9

BDTR-2 6C/9

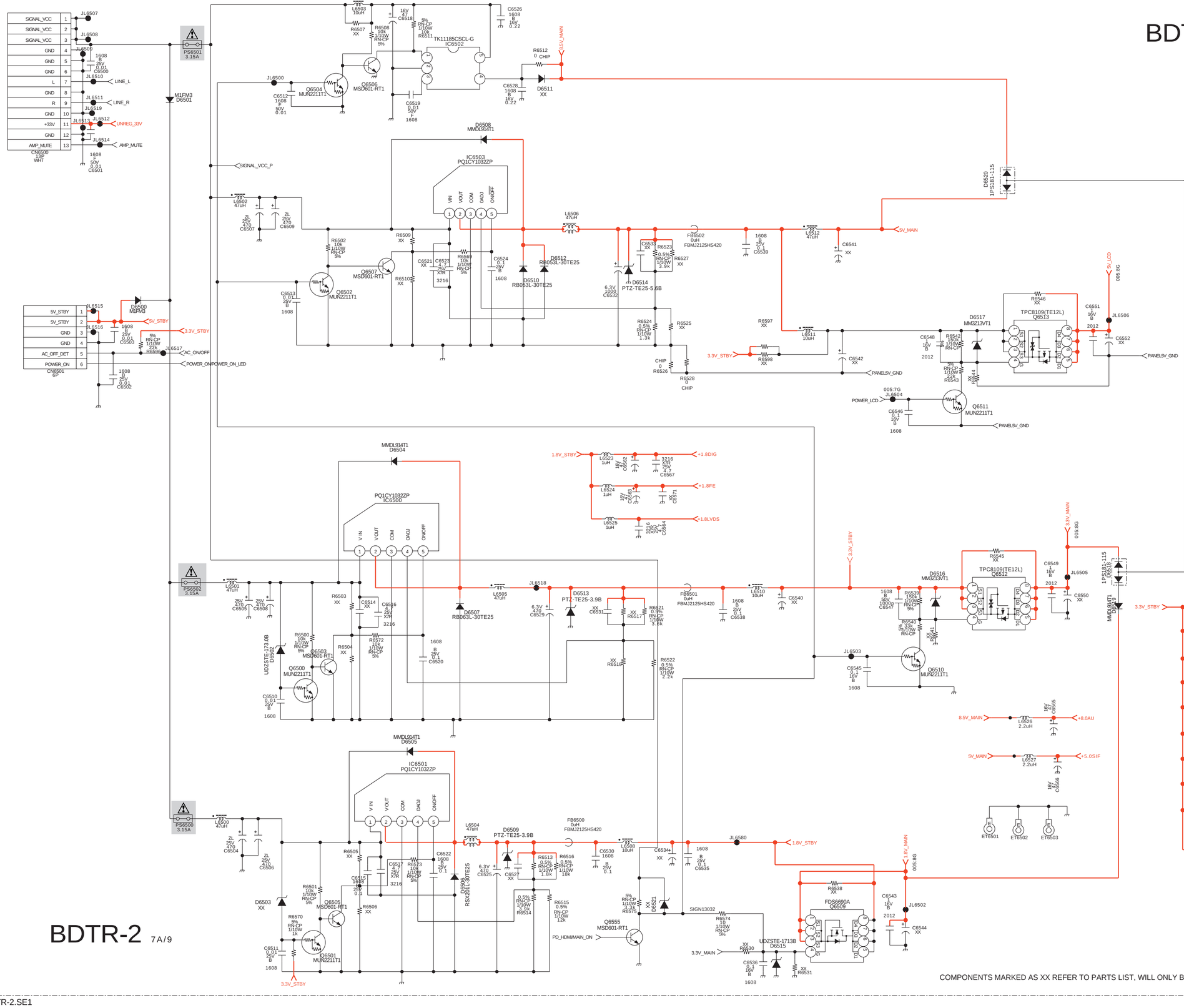
BDTR-2 6D/9

HARDWARE MUTE CIRCUIT

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

BDTR-2 7B/9



BDTR-2 7A/9

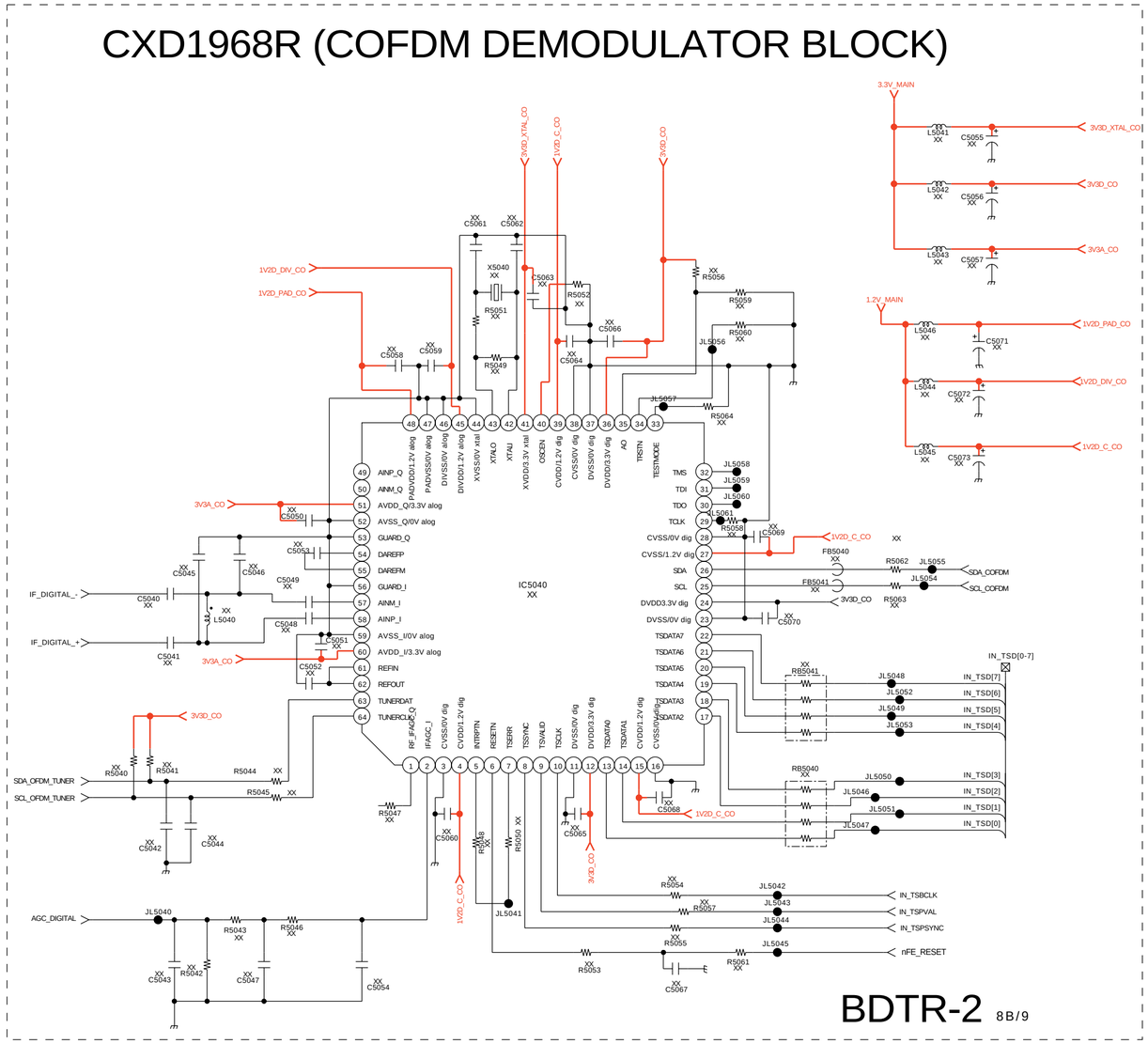
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

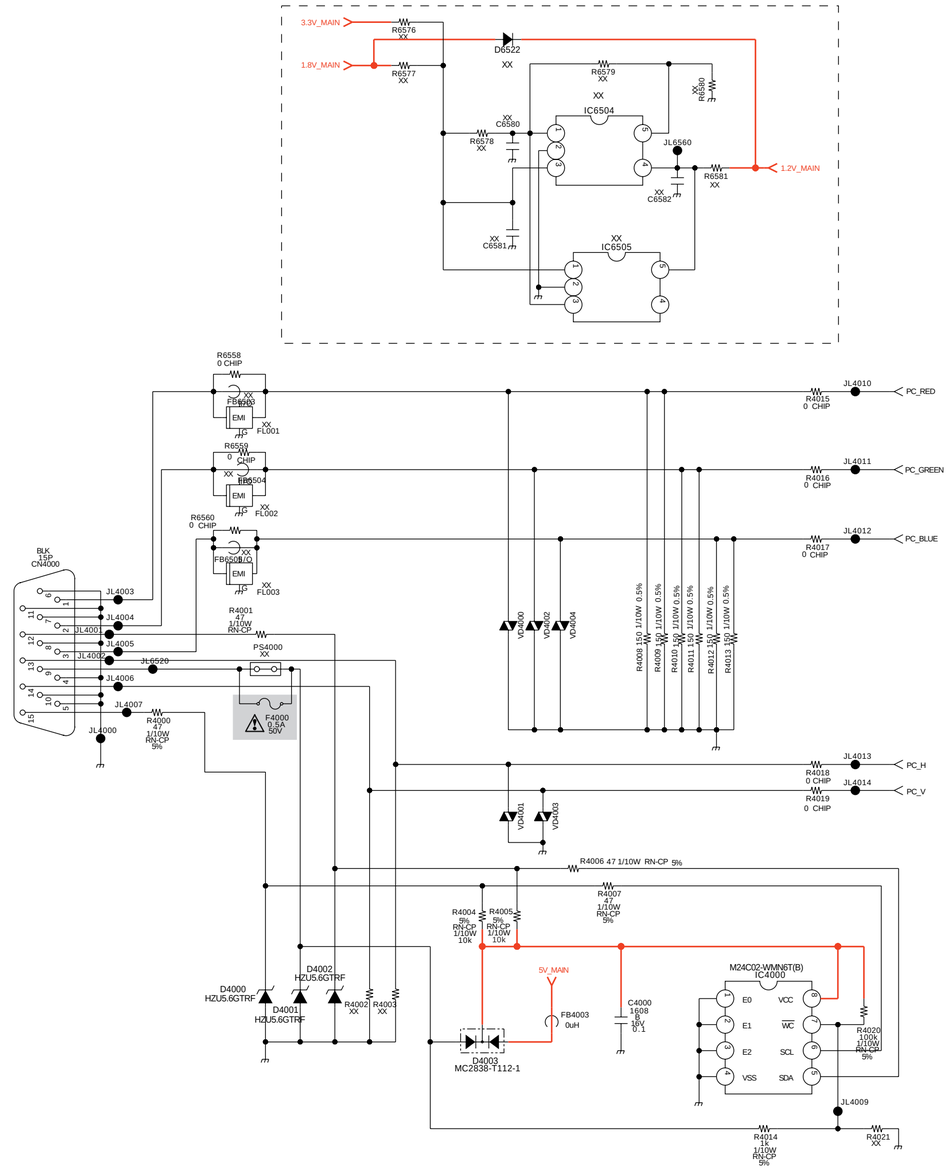
BDTR-2.SE1

BDTR-2 8A/9

CXD1968R (COFDM DEMODULATOR BLOCK)



BDTR-2 8B/9



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BDTR-2.SE1

BDTR-2 9A/9

BDTR-2 9B/9

BDTR-2 9C/9

BDTR-2 9D/9

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

G1-SE1

G1 1A/2 POWER SUPPLY

G1 1B/2

G1 1C/2

G1 1D/2

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

G2 1A/2

G2 1B/2

G2 1C/2 POWER SUPPLY

G2 1D/2

D6003(1)

Mount Mecha	A6001	263406601	D6003

Mount Mecha	A6000	404240802	XX

Q6001(1),Q6002(2),D6012(1) — 90mm VK

Mount Mecha	A6004	234990061	Q6001,Q6002,D6012

Q6001(1),Q6002(2),D6012(1)

Mount Mecha	A6012	214976661	XX	Q6001,Q6002,D6012

D6036(1),D6037(1)

Mount Mecha	A6008	214976661	D6036,D6037

D6038(1),D6039(1)

Mount Mecha	A6009	214976661	D6038,D6039

D6035(1)

Mount Mecha	A6007	403694821	D6035

Q6014(1),Q6013(1)

Mount Mecha	A6005	234990031	Q6014,Q6013

D6040(1)

Mount Mecha	A6006	407727701	D6040

Mount Mecha	A6003	404240802	XX

MAIN FB

AC OFF DET

POWER ON

PROTECT

OVP

PROTECT

TO P.8 T6200

TO P.6 T6200

TO P.3 T6200

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED